Appendix I: Methylmercury in Sport Fish: Information for Fish Consumers

Methylmercury is a form of mercury that is found in most freshwater and saltwater fish. In some lakes, rivers, and coastal waters in California, methylmercury has been found in some types of fish at concentrations that may be harmful to human health. The Office of Environmental Health Hazard Assessment (OEHHA) has issued health advisories to fishers and their families giving recommendations on how much of the affected fish in these areas can be safely eaten. In these advisories, women ages 18-45 and children are encouraged to be especially careful about following the advice because of the greater sensitivity of fetuses and children to methylmercury.

Fish are nutritious and should be a part of a healthy, balanced diet. As with many other kinds of food, however, it is prudent to consume fish in moderation. OEHHA provides advice to the public so that people can continue to eat fish without putting their health at risk.

WHERE DOES METHYLMERCURY IN FISH COME FROM?

Methylmercury in fish comes from mercury in the aquatic environment. Mercury, a metal, is widely found in nature in rock and soil, and is washed into surface waters during storms. Mercury evaporates from rock, soil, and water into the air, and then falls back to the earth in rain, often far from where it started. Human activities redistribute mercury and can increase its concentration in the aquatic environment. The coastal mountains in northern California are naturally rich in mercury in the form of cinnabar ore, which was processed to produce quicksilver, a liquid form of inorganic mercury. This mercury was taken to the Sierra Nevada, Klamath mountains, and other regions, where it was used in gold mining. Historic mining operations and the remaining tailings from abandoned mercury and gold mines have contributed to the release of large amounts of mercury into California's surface waters. Mercury can also be released into the environment from industrial sources, including the burning of fossil fuels and solid wastes, and disposal of mercury-containing products.

Once mercury gets into water, much of it settles to the bottom where bacteria in the mud or sand convert it to the organic form of methylmercury. Fish absorb methylmercury when they eat smaller aquatic organisms. Larger and older fish absorb more methylmercury as they eat other fish. In this way, the amount of methylmercury builds up as it passes through the food chain. Fish eliminate methylmercury slowly, and so it builds up in fish in much greater concentrations than in the surrounding water. Methylmercury generally reaches the highest levels in predatory fish at the top of the aquatic food chain.

HOW MIGHT I BE EXPOSED TO METHYLMERCURY?

Eating fish is the main way that people are exposed to methylmercury. Each person's exposure depends on the amount of methylmercury in the fish that they eat and how much and how often they eat fish.

Women can pass methylmercury to their babies during pregnancy, and this includes methylmercury that has built up in the mother's body even before pregnancy. For this reason, women 18-45 are encouraged to be especially careful to follow consumption advice, even if they are not pregnant. In addition, nursing mothers can pass methylmercury to their child through breast milk.

You may be exposed to inorganic forms of mercury through dental amalgams (fillings) or accidental spills, such as from a broken thermometer. For most people, these sources of exposure to mercury are minor and of less concern than exposure to methylmercury in fish.

AT WHAT LOCATIONS IN CALIFORNIA HAVE ELEVATED LEVELS OF MERCURY BEEN FOUND IN FISH?

Methylmercury is found in most fish, but some fish and some locations have higher amounts than others. Methylmercury is one of the chemicals in fish that most often creates a health concern. Consumption advisories due to high levels of methylmercury in fish have been issued in about 40 states. In California, methylmercury advisories have been issued for San Francisco Bay and the Delta; Tomales Bay in Marin County; and at the following inland lakes: Lake Nacimiento in San Luis Obispo County; Lake Pillsbury and Clear Lake in Lake County; Lake Berryessa in Napa County; Guadalupe Reservoir and associated reservoirs in Santa Clara County; Lake Herman in Solano County; San Pablo Reservoir in Contra Costa County; Black Butte Reservoir in Glenn and Tehama Counties; Lake Natoma and the lower American River in Sacramento County; Trinity Lake in Trinity County; and certain lakes and river stretches in the Sierra Nevada foothills in Nevada, Placer, and Yuba counties. Other locations may be added in the future as more fish and additional water bodies are tested.

HOW DOES METHYLMERCURY AFFECT HEALTH?

Much of what we know about methylmercury toxicity in humans stems from several mass poisoning events that occurred in Japan during the 1950s and 1960s, and Iraq during the 1970s. In Japan, a chemical factory discharged vast quantities of mercury into several bays near fishing villages. Many people who consumed large amounts of fish from these bays became seriously ill or died over a period of several years. In Iraq, thousands of people were poisoned by eating contaminated bread that was mistakenly made from seed grain treated with methylmercury.

From studying these cases, researchers have determined that the main target of methylmercury toxicity is the central nervous system. At the highest exposure levels experienced in these poisonings, methylmercury toxicity symptoms included such nervous system effects as loss of coordination, blurred vision or blindness, and hearing and speech impairment. Scientists also discovered that the developing nervous systems of fetuses are particularly sensitive to the toxic effects of methylmercury. In the Japanese outbreak, for example, some fetuses developed methylmercury toxicity during pregnancy even when their mothers did not. Symptoms reported in the Japan and Iraq epidemics resulted from methylmercury levels that were much higher than what fish consumers in the U.S. would experience.

Individual cases of adverse health effects from heavy consumption of commercial fish containing moderate to high levels of methylmercury have been reported only rarely. Nervous system symptoms reported in these instances included headaches, fatigue, blurred vision, tremor, and/or some loss of concentration, coordination, or memory. However, because there was no clear link between the severity of symptoms and the amount of mercury to which the person was exposed, it is not possible to say with certainly that these effects were a consequence of methylmercury exposure and not the result of other health problems. The most subtle symptoms in adults known to be clearly associated with methylmercury toxicity are numbness or tingling in the hands and feet or around the mouth; however, these symptoms are also associated with other medical conditions not related to methylmercury exposure.

In recent studies of high fish-eating populations in different parts of the world, researchers have been able to detect more subtle effects of methylmercury toxicity in children whose mothers frequently ate seafood containing low to moderate mercury concentrations during their pregnancy. Several studies found slight decreases in learning ability, language skills, attention and/or memory in some of these children. These effects were not obvious without using very specialized and sensitive tests. Children may have increased susceptibility to the effects of methylmercury through adolescence, as the nervous system continues to develop during this time.

Methylmercury builds up in the body if exposure continues to occur over time. Exposure to relatively high doses of methylmercury for a long period of time may also cause problems in other organs such as the kidneys and heart.

CAN MERCURY POISONING OCCUR FROM EATING SPORT FISH IN CALIFORNIA?

No case of mercury poisoning has been reported from eating California sport fish. The levels of mercury in California fish are much lower than those that occurred during the Japanese outbreak. Therefore, overt poisoning resulting from sport fish consumption in California would not be expected. At the levels of mercury found in California fish, symptoms associated with methylmercury are unlikely unless someone eats much more than what is recommended or is particularly sensitive. The fish consumption guidelines are designed to protect against subtle effects that would be difficult to detect but could still occur following unrestricted consumption of California sport fish. This is especially true in the case of fetuses and children.

IS THERE A WAY TO REDUCE METHYLMERCURY IN FISH TO MAKE THEM SAFER TO EAT?

There is no specific method of cleaning or cooking fish that will significantly reduce the amount of methylmercury in the fish. However, fish should be cleaned and gutted before cooking because some mercury may be present in the liver and other organs of the fish. These organs should not be eaten.

In the case of methylmercury, fish size is important because large fish that prey upon smaller fish can accumulate more of the chemical in their bodies. It is better to eat the smaller fish within the same species, provided that they are legal size.

IS THERE A MEDICAL TEST TO DETERMINE EXPOSURE TO METHYLMERCURY?

Mercury in blood and hair can be measured to assess methylmercury exposure. However, this is not routinely done. Special techniques in sample collection, preparation, and analysis are required for these tests to be accurate. Although tests using hair are less invasive, they are also less accurate. It is important to consult with a physician before undertaking medical testing because these tests alone cannot determine the cause of personal symptoms.

HOW CAN I REDUCE THE AMOUNT OF METHYLMERCURY IN MY BODY?

Methylmercury is eliminated from the body over time provided that the amount of mercury taken in is reduced. Therefore, following the OEHHA consumption advice and eating less of the fish that have higher levels of mercury can reduce your exposure and help to decrease the levels of methylmercury already in your body if you have not followed these recommendations in the past.

WHAT IF I EAT FISH FROM OTHER SOURCES SUCH AS RESTAURANTS, STORES, OR OTHER WATER BODIES THAT MAY NOT HAVE AN ADVISORY?

Most commercial fish have relatively low amounts of methylmercury and can be eaten safely in moderate amounts. However, several types of fish such as large, predatory, long-lived fish have high levels of methylmercury, and could cause overly high exposure to methylmercury if eaten often. The U.S. Food and Drug Administration (FDA) is responsible for the safety of commercial seafood. In 2004, FDA and the U.S. Environmental Protection Agency (U.S. EPA) issued a Joint Federal Advisory for Mercury in Fish advising women who are pregnant or could become pregnant, nursing mothers, and young children not to eat shark, swordfish, king mackerel, or tilefish. The federal advisory also recommends that these individuals can safely eat up to an average of 12 ounces (two average meals) per week of a variety of other cooked fish purchased in stores or restaurants, such as shrimp, canned light tuna, salmon, pollock, or (farm-raised) catfish. Albacore ("white") tuna is known to contain more mercury than canned light tuna; it is therefore recommended that no more than six ounces of albacore tuna be consumed per week. In addition, the federal advisory recommends that women who are pregnant or may become pregnant, nursing mothers, and young children consume no more than one meal per week of locally caught fish, when no other advice is available, and eat no other fish that week. The federal advisory can be found at http://www.cfsan.fda.gov/~dms/admehg.html or http://www.epa.gov/ost/fishadvice/advice.html.

In addition, OEHHA offers the following general advice that can be followed to reduce exposure to methylmercury in fish. Chemical levels can vary from place to place. Therefore, your overall exposure to chemicals is likely to be lower if you fish at a variety of places, rather than at one location that might have high contamination levels. Furthermore, some fish species have higher chemical levels than others in the same location. If possible, eat smaller amounts of several different types of fish rather than a large amount of one type that may be high in contaminants. Smaller fish of a species will usually have lower chemical levels than larger fish in the same location because some of the chemicals may become more concentrated in larger, older fish. It is advisable to eat smaller fish (of legal size) more often than larger fish. Cleaning and cooking fish in a manner that removes fat and organs is an effective way to reduce other contaminants that may be present in fish.

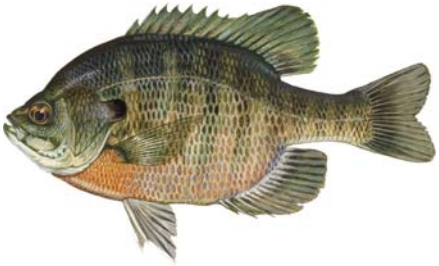
WHERE CAN I GET MORE INFORMATION?

The health advisories for sport fish are printed in the California Sport Fishing Regulations booklet, which is available wherever fishing licenses are sold. OEHHA also offers a booklet containing the advisories, and additional materials such as this fact sheet on related topics. Additional information and documents related to fish advisories are available on the OEHHA Web Site at http://www.oehha.ca.gov/fish.html. County departments of environmental health may have more information on specific fishing areas.

Appendix II. Images of Fish and Shellfish from the Sacramento River and Northern Delta

Note: Images may not be to scale

Bluegill *(Lepomis macrochirus)*



Duane Raver, USFWS

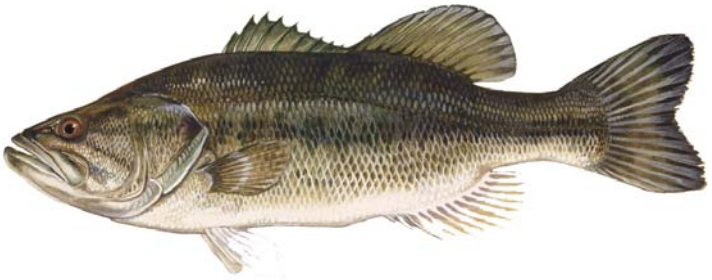
Redear sunfish *(Lepomis microlophus)*

Duane Raver, USFWS

Black crappie *(Pomoxis nigromaculatus)*

Duane Raver, USFWS

Largemouth bass *(Micropterus salmoides)*

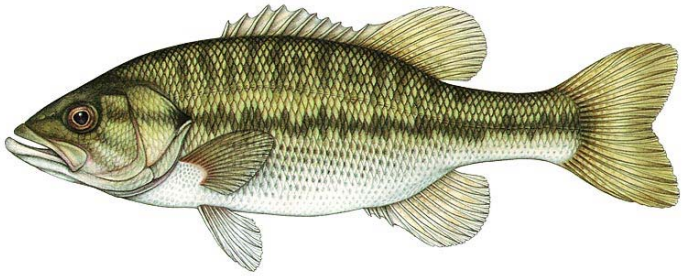


Duane Raver, USFWS

Smallmouth Bass *(Micropterus dolomieu)*

Duane Raver, USFWS

Spotted Bass (*Micropterus punctulatus*)

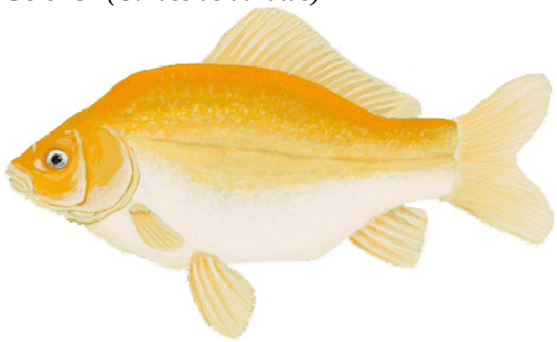


© 2003 ODNR, Division of Wildlife

Carp *(Cyprinus carpio)*

Duane Raver, USFWS

Goldfish *(Carassius auratus)*



Duane Raver, USFWS

Hitch *(Lavinia exilicauda)*

René Reyes, USBR

Hardhead *(Mylopharodon conocephalus)*

René Reyes, USBR

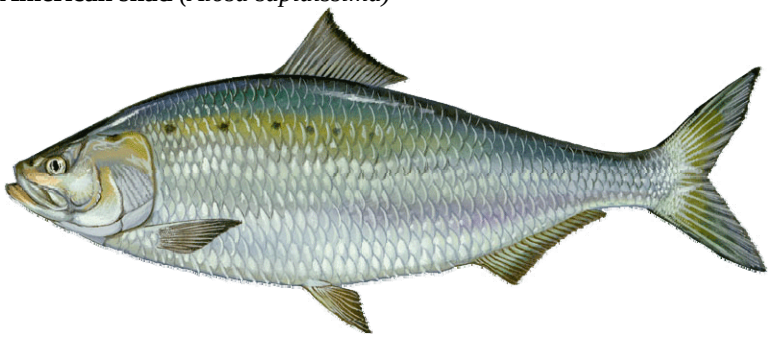
Sacramento pikeminnow *(Ptychocheilus grandis)*

René Reyes, USBR

Sacramento sucker *(Catostomus occidentalis)*

Rene' Reyes, USBR

American shad *(Alosa sapidissima)*

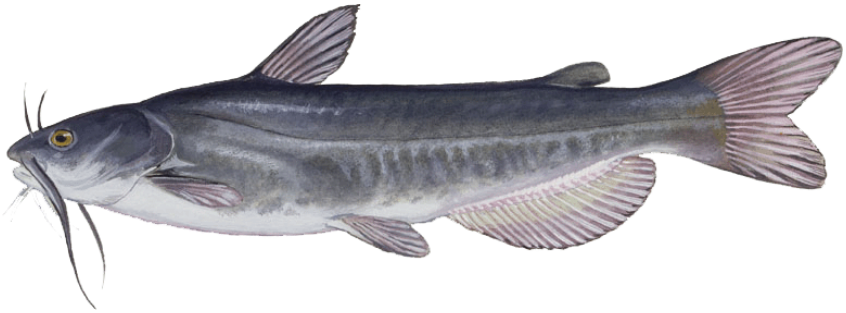


Duane Raver, USFWS

Channel catfish (*Ictalurus punctalus)*

Duane Raver, USFWS

White catfish *(Amereiurus catus)*

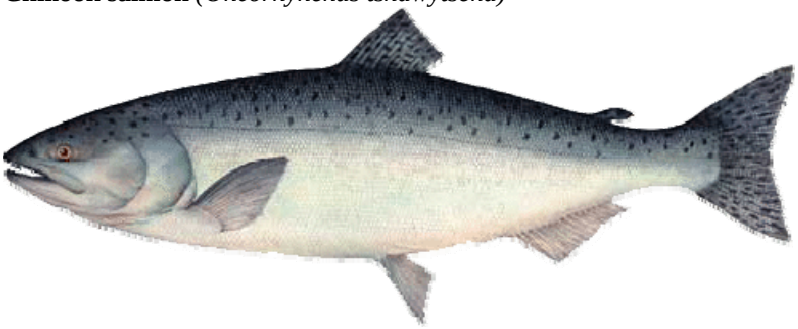


Duane Raver, USFWS

Brown bullhead *(Ameiurus nebulosus)*

Duane Raver, USFWS

Chinook salmon *(Oncorhynchus tshawytscha)*



USBR Battlecreek

Rainbow trout/Steelhead trout *(Oncorhynchus mykiss)*

Duane Raver, USFWS

Striped bass *(Morone saxatilis)*

Duane Raver, USFWS

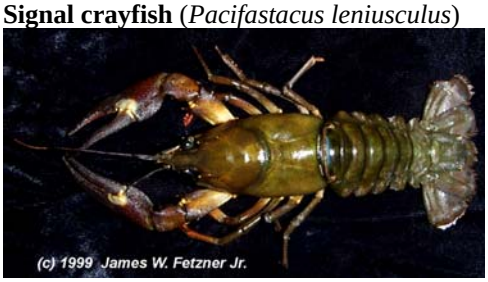
White sturgeon *(Acipenser transmontanus)*

California DFG

Asiatic clam *(Corbicula fluminea)*

©Noel M. Burkhead, USGS

Signal crayfish (*Pacifastacus leniusculus*)

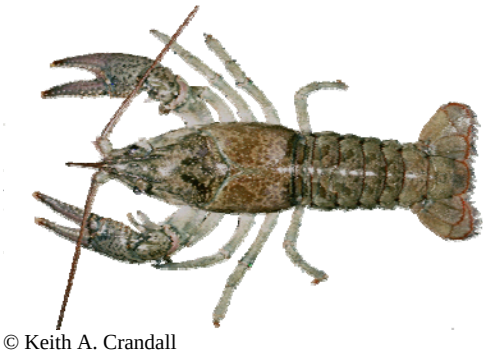


© James W. Fetzner Jr.

Red swamp crayfish (*Procambarus clarkii*)

© Keith A. Crandall

Northern crayfish *(Orconectes virilis)*



© Keith A. Crandall

Appendix III. General Advice for Sport Fish Consumption

You can reduce your exposure to chemical contaminants in sport fish by following the recommendations below. Follow as many of them as you can to increase your health protection. This general advice is not meant to take the place of advisories for specific areas, but should be followed in addition to them. Sport fish in most water bodies in the state have not been evaluated for their safety for human consumption. This is why we strongly recommend following the general advice given below.

Fishing Practices

Chemical levels can vary from place to place. Your overall exposure to chemicals is likely to be lower if you eat fish from a variety of places rather than from one usual spot that might have high contamination levels.

Be aware that OEHHA may issue new advisories or revise existing ones. Consult the Department of Fish and Game regulations booklet or check with OEHHA on a regular basis to see if there are any changes that could affect you.

Consumption Guidelines

Fish Species: Some fish species have higher chemical levels than others in the same location. If possible, eat smaller amounts of several different types of fish rather than a large amount of one type that may be high in contaminants.

Fish Size: Smaller fish of a species will usually have lower chemical levels than larger fish in the same location because some of the chemicals may accumulate as the fish grows. It is advisable to eat smaller fish (of legal size).

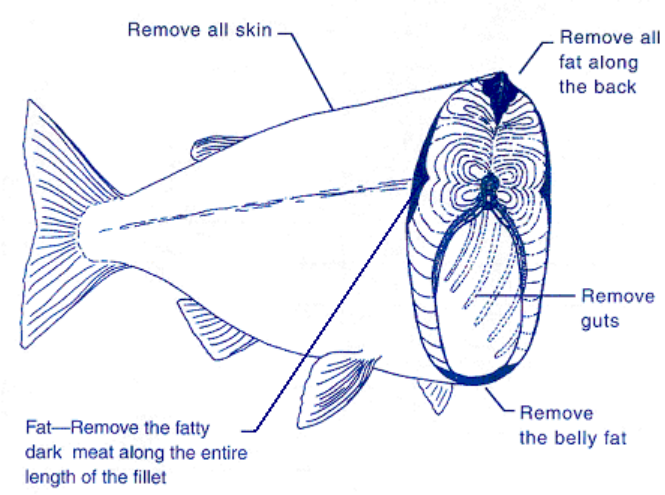
Fish Preparation and Consumption

• Eat only the fillet portions. Do not eat the guts and liver because chemicals usually concentrate in those parts. Also, avoid frequent consumption of any reproductive parts such as eggs or roe.

• Many chemicals are stored in the fat. To reduce the levels of these chemicals, skin the fish when possible and trim any visible fat.

• Use a cooking method such as baking, broiling, grilling, or steaming that allows the juices to drain away from the fish. The juices will contain chemicals in the fat and should be thrown away. Preparing and cooking fish in this way can remove 30 to 50 percent of the chemicals stored in fat. If you make stews or chowders, use fillet parts.

• Raw fish may be infested by parasites. Cook fish thoroughly to destroy the parasites.



Advice for Women 18-45 Years, including Pregnant and Breastfeeding Women, and Children

Children and fetuses are more sensitive to the toxic effects of methylmercury, the form of mercury of health concern in fish. For this reason, OEHHA's advisories that are based on mercury provide special advice for women ages 18-45 and children. Women should follow this advice throughout their childbearing years.

The U.S. Food and Drug Administration (FDA) is responsible for the safety of commercial seafood. Most commercial fish have relatively low amounts of methylmercury and can be eaten safely in moderate amounts. However, several types of fish such as large, predatory, long-lived fish have high levels of methylmercury, and could cause overly high exposure to methylmercury if eaten often. In 2004, FDA and the U.S. Environmental Protection Agency (U.S. EPA) issued a Joint Federal Advisory for Mercury in Fish advising women who are pregnant or could become pregnant, nursing mothers, and young children not to eat shark, swordfish, king mackerel, or tilefish. The federal advisory also recommends that these individuals can safely eat up to an average of 12 ounces (two average meals) per week of a variety of other cooked fish purchased in stores or restaurants, such as shrimp, canned light tuna, salmon, pollock, or (farm-raised) catfish. Albacore ("white") tuna is known to contain more mercury than canned light tuna; it is therefore recommended that no more than six ounces of albacore tuna be consumed per week. In addition, the federal advisory recommends that women who are pregnant or may become pregnant, nursing mothers, and young children consume no more than one meal per week of locally caught fish, when no other advice is available, and eat no other fish that week. The federal advisory can be found at http://www.cfsan.fda.gov/~dms/admehg.html or http://www.epa.gov/ost/fishadvice/advice.html.

Appendix IV: Sacramento River and Northern Delta Advisory Data File Comments

1. Samples from Sycamore Slough at Knights Landing and Sycamore Slough at Yolo-Colusa County Line and Colusa Drain/Yolo-Colusa County Line were excluded because coordinates provided placed them in counties outside study area and real location could not be verified.
2. Excluded Sherman Island, Central Drain/Norman-Princeton Rd, Logan Creek/Norman-Princeton Road, Bounde Creek – Norman Princeton Rd, and Sacramento River above Shasta samples from the dataset because outside project boundaries.
3. TSMP sample 246.001.F.89 from Butte Creek/Colusa Highway was excluded because the latitude and longitude could not be verified; coordinates showed it to be in Sutter County but not on a water body and > 5 miles from Sacramento River.
4. Prospect Slough and Prospect Slough/Liberty Island sites were combined and named Prospect Slough/Liberty Island.
5. Sacramento River at RM 44 and Sacramento River at RM44 sites were combined and named Sacramento River at RM 44.
6. Sacramento Slough and Sacramento Slough at Karnak were combined and named Sacramento Slough.
7. Sacramento River at Colusa and Sacramento River/Colusa were kept separate because of distance apart.
8. Sacramento River at Bend Bridge near Red Bluff and Sacramento River Near Red Bluff were combined and called Sacramento River at Bend Bridge near Red Bluff. Sacramento River at Bend Bridge remains a separate site.
9. Sacramento River at Hamilton, Sacramento River at Hamilton City, and Sacramento River near Hamilton were considered three sites.
10. Sacramento River/Rio Vista and Sacramento River at Rio Vista were combined and named Sacramento River/Rio Vista.
11. Sacramento River/Knights Landing includes Colusa Basin Drain at Road 99E due to proximity of locations.
12. SRWP samples from Sacramento River below Keswick are about 2 miles north of Sacramento River/Keswick, so kept as two distinct sampling sites.
13. Sutter Bypass included because it is an overflow area for the Sacramento River.
14. In some cases, the number of significant digits reported by the analytical laboratories exceeded the method sensitivity of three significant figures. In these cases, OEHHA dropped the additional numerals.

Appendix V. Case Summaries

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Fremont Weir	American Shad	FMP	2006	**.055**	1	.	286	1
Fremont Weir	American Shad	FMP	2006	**.071**	1	.	330	1
Fremont Weir	American Shad	FMP	2006	**.337**	1	.	334	1
Fremont Weir	American Shad	FMP	2006	**.257**	1	.	359	1
Fremont Weir	American Shad	FMP	2006	**.039**	1	.	362	1
Fremont Weir	American Shad	FMP	2006	**.108**	1	.	375	1
Fremont Weir	American Shad	FMP	2006	**.050**	1	.	384	1
Fremont Weir	American Shad	FMP	2006	**.034**	1	.	394	1
Fremont Weir	American Shad	FMP	2006	**.050**	1	.	424	1
Fremont Weir	American Shad	FMP	2006	**.044**	1	.	425	1
Fremont Weir	American Shad	FMP	2006	**.051**	1	.	425	1
Fremont Weir	American Shad	FMP	2006	**.035**	1	.	436	1
Fremont Weir	American Shad	FMP	2006	**.037**	1	.	445	1
Fremont Weir	American Shad	FMP	2006	**.051**	1	.	445	1
Fremont Weir	American Shad	FMP	2006	**.040**	1	.	446	1
Fremont Weir	American Shad	FMP	2006	**.033**	1	.	461	1
Fremont Weir	American Shad	FMP	2006	**.038**	1	.	467	1
Fremont Weir	American Shad	FMP	2006	**.042**	1	.	506	1
Fremont Weir	American Shad	FMP	2006	**.046**	1	.	509	1
Fremont Weir	American Shad	FMP	2006	**.034**	1	.	524	1
Fremont Weir	American Shad	FMP	2006	**.047**	1	.	541	1
Fremont Weir	American Shad	FMP	2006	**.033**	1	.	564	1
Fremont Weir	American Shad	FMP	2006	**.056**	1	.	571	1
Sacramento River at Colusa	American Shad	FMP	2006	**.029**	1	.	397	1
Sacramento River at Colusa	American Shad	FMP	2006	**.057**	1	.	430	1
Sacramento River at Knights Landing	American Shad	FMP	2006	**.062**	1	.	334	1
Sacramento River at Knights Landing	American Shad	FMP	2006	**.087**	1	.	353	1
Sacramento River at Knights Landing	American Shad	FMP	2006	**.067**	1	.	391	1
Sacramento River at Knights Landing	American Shad	FMP	2006	**.086**	1	.	406	1
Sacramento River at Knights Landing	American Shad	FMP	2006	**.037**	1	.	426	1
Sacramento River near Verona	American Shad	TSMP	2003	**.066**	5	350	403	1
Bypass Slough	Asiatic Clam	UCDavis3	1999	**.026**	2	.	24	1
Cache Slough	Asiatic Clam	UCDavis3	1999	**.030**	2	.	27	1
Cache Slough (lower)	Asiatic Clam	UCDavis3	1999	**.022**	36	.	21	1
Delta Cross Canal	Asiatic Clam	UCDavis3	1999	**.022**	4	.	22	1
Delta Meadows	Asiatic Clam	UCDavis3	1999	**.007**	10	.	21	1
Lindsey Slough	Asiatic Clam	UCDavis3	1999	**.038**	1	.	26	1
Little Hastings Tract	Asiatic Clam	UCDavis3	1999	**.018**	5	.	25	1
Prospect Slough/Liberty Island	Asiatic Clam	UCDavis3	1999	**.022**	6	.	23	1
Sacramento River Deep Water Ship Channel	Asiatic Clam	UCDavis3	1999	**.016**	1	.	26	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.021**	1	.	20	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.029**	1	.	20	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.027**	1	.	21	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.017**	1	.	22	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.020**	1	.	23	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.021**	1	.	23	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.025**	1	.	23	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.028**	1	.	24	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.019**	1	.	25	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.022**	1	.	25	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.024**	1	.	25	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.033**	1	.	25	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	1999	**.028**	8	.	26	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.031**	1	.	26	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.036**	1	.	26	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.037**	1	.	26	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.042**	1	.	26	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.017**	1	.	27	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.028**	1	.	27	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.036**	1	.	27	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.036**	1	.	27	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.027**	1	.	28	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.034**	1	.	28	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.041**	1	.	28	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.045**	1	.	28	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.030**	1	.	29	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.038**	1	.	29	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.038**	1	.	29	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.017**	1	.	30	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.028**	1	.	30	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.031**	1	.	30	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.019**	1	.	31	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.029**	1	.	31	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.043**	1	.	31	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.017**	1	.	32	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.019**	1	.	32	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.018**	1	.	33	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.034**	1	.	34	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.029**	1	.	36	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.039**	1	.	36	1
Sacramento River near Isleton	Asiatic Clam	UCDavis3	2000	**.044**	1	.	37	1
Sacramento River/Decker Island (inner channel)	Asiatic Clam	UCDavis3	1999	**.036**	17	.	23	1
Sacramento River/Rio Vista	Asiatic Clam	UCDavis3	1999	**.022**	22	.	24	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.024**	1	.	16	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.027**	1	.	16	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.020**	1	.	17	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.026**	1	.	17	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.027**	1	.	17	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.035**	1	.	17	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.018**	1	.	18	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.020**	1	.	18	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.020**	1	.	18	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.021**	1	.	18	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.022**	1	.	18	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.023**	1	.	18	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.032**	1	.	18	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.021**	1	.	19	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.022**	1	.	19	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.023**	1	.	19	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.023**	1	.	19	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.024**	1	.	19	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.025**	1	.	19	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.027**	1	.	19	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.020**	1	.	20	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.020**	1	.	20	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.023**	1	.	20	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.024**	1	.	20	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.026**	1	.	20	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.019**	1	.	22	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.023**	1	.	22	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.021**	1	.	23	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.017**	1	.	25	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.017**	1	.	26	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.020**	1	.	26	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.016**	1	.	27	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.017**	1	.	27	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.018**	1	.	27	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.030**	1	.	27	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.015**	1	.	28	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.015**	1	.	30	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.023**	1	.	30	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.018**	1	.	31	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.016**	1	.	32	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.019**	1	.	33	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.015**	1	.	35	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.024**	1	.	36	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.042**	1	.	39	1
Snodgrass Slough near Delta Meadows	Asiatic Clam	UCDavis3	2000	**.044**	1	.	42	1
Steamboat Slough	Asiatic Clam	UCDavis3	1999	**.020**	9	.	26	1
Toe Drain	Asiatic Clam	UCDavis3	1999	**.018**	1	.	25	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Butte Creek at Colusa Highway	Bluegill	FMP	2006	**.248**	1	.	120	1
Butte Creek at Colusa Highway	Bluegill	FMP	2006	**.127**	1	.	132	1
Butte Creek at Colusa Highway	Bluegill	FMP	2006	**.351**	1	.	136	1
Butte Creek at Colusa Highway	Bluegill	FMP	2006	**.329**	1	.	142	1
Butte Creek at Colusa Highway	Bluegill	FMP	2006	**.273**	1	.	160	1
Colusa Drain/Knights Landing	Bluegill	FMP	2005	**.209**	1	.	111	1
Sacramento River at Knights Landing	Bluegill	FMP	2006	**.237**	1	.	124	1
Sacramento River at Knights Landing	Bluegill	FMP	2006	**.067**	1	.	131	1
Sacramento River at Knights Landing	Bluegill	FMP	2006	**.216**	1	.	137	1
Sacramento River at Knights Landing	Bluegill	FMP	2006	**.178**	1	.	140	1
Sacramento River at RM 44	Bluegill	SRWP	1999	**.103**	5	.	185	1
Sacramento River near Verona	Bluegill	FMP	2006	**.109**	1	.	117	1
Sacramento River near Verona	Bluegill	FMP	2006	**.137**	1	.	130	1
Sacramento River near Verona	Bluegill	FMP	2006	**.176**	1	.	134	1
Sacramento River near Verona	Bluegill	FMP	2006	**.091**	1	.	141	1
Sacramento River near Verona	Bluegill	FMP	2006	**.308**	1	.	153	1
Sacramento River/Rio Vista	Bluegill	FMP	2005	**.114**	1	.	115	1
Sacramento River/Rio Vista	Bluegill	FMP	2005	**.111**	1	.	120	1
Sacramento River/Rio Vista	Bluegill	FMP	2005	**.110**	1	.	141	1
Sacramento River/Rio Vista	Bluegill	FMP	2005	**.144**	1	.	161	1
Sacramento River/Rio Vista	Bluegill	FMP	2005	**.068**	1	.	175	1
Sacramento River/Rio Vista	Bluegill	FMP	2005	**.242**	1	.	192	1
Sacramento River/Rio Vista	Bluegill	FMP	2005	**.184**	1	.	206	1
Snodgrass Slough near Delta Meadows	Bluegill	FMP	2006	**.215**	1	.	120	1
Snodgrass Slough near Delta Meadows	Bluegill	FMP	2006	**.144**	1	.	127	1
Snodgrass Slough near Delta Meadows	Bluegill	FMP	2006	**.171**	1	.	135	1
Snodgrass Slough near Delta Meadows	Bluegill	FMP	2006	**.301**	1	.	136	1
Snodgrass Slough near Delta Meadows	Bluegill	FMP	2006	**.239**	1	.	146	1
Steamboat Slough	Bluegill	FMP	2006	**.085**	1	.	130	1
Steamboat Slough	Bluegill	FMP	2006	**.095**	1	.	131	1
Steamboat Slough	Bluegill	FMP	2006	**.082**	1	.	132	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Steamboat Slough	Bluegill	FMP	2006	**.093**	1	.	163	1
Steamboat Slough	Bluegill	FMP	2006	**.169**	1	.	166	1
Sutter Bypass below Kirkville Road	Bluegill	FMP	2006	**.110**	1	.	117	1
Sutter Bypass below Kirkville Road	Bluegill	FMP	2006	**.181**	1	.	140	1
Sutter Bypass below Kirkville Road	Bluegill	FMP	2006	**.225**	1	.	145	1
Toe Drain	Bluegill	FMP	2006	**.246**	1	.	125	1
Toe Drain	Bluegill	FMP	2006	**.219**	1	.	126	1
Toe Drain	Bluegill	FMP	2006	**.377**	1	.	133	1
Toe Drain	Bluegill	FMP	2006	**.419**	1	.	151	1
Toe Drain	Bluegill	FMP	2006	**.237**	1	.	159	1
Toe Drain	Bluegill	FMP	2006	**.419**	1	.	173	1
Colusa Drain/Abel Road	Brown Bullhead	TSMP	1980	**.580**	1	215	222	1
Colusa Drain/Abel Road	Brown Bullhead	TSMP	1980	**.200**	10	237	244	1
Reclamation Slough	Brown Bullhead	TSMP	1980	**.240**	2	378	389	1
Beach Lake	Carp	TSMP	1985	**.150**	6	483	531	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.270**	1	.	367	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.425**	1	.	403	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.250**	1	.	430	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.303**	1	.	474	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.206**	1	.	475	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.440**	1	.	487	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.309**	1	.	489	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.411**	1	.	583	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.482**	1	.	701	1
Butte Creek at Colusa Highway	Carp	FMP	2006	**.475**	1	.	770	1
Cache Slough near Ryer Island Ferry	Carp	SRWP	1999	**.107**	5	.	352	1
Cache Slough near Ryer Island Ferry 2	Carp	CalFed	2000	**.281**	3	.	484	1
Colusa Basin Drain	Carp	SRWP	2000	**.179**	5	.	372	1
Colusa Basin Drain	Carp	SRWP	1998	**.106**	5	.	386	1
Colusa Basin Drain	Carp	SRWP	2001	**.166**	5	.	398	1
Colusa Basin Drain	Carp	SRWP	2002	**.408**	3	.	504	1
Colusa Drain/Abel Road	Carp	TSMP	1981	**.100**	2	419	461	1
Colusa Drain/Knights Landing	Carp	FMP	2005	**.246**	1	.	340	1
Colusa Drain/Knights Landing	Carp	FMP	2005	**.186**	1	.	403	1
Colusa Drain/Knights Landing	Carp	FMP	2005	**.113**	1	.	463	1
Colusa Drain/Knights Landing	Carp	FMP	2005	**.159**	1	.	480	1
Cross Canal	Carp	FMP	2006	**.122**	1	.	373	1
Cross Canal	Carp	FMP	2006	**.162**	1	.	379	1
Cross Canal	Carp	FMP	2006	**.059**	1	.	421	1
Cross Canal	Carp	FMP	2006	**.123**	1	.	439	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Cross Canal	Carp	FMP	2006	**.266**	1	.	464	1
Cross Canal	Carp	TSMP	1988	**.120**	6	391	430	1
Cross Canal	Carp	TSMP	1986	**.120**	6	436	480	1
Georgiana Slough	Carp	FMP	2006	**.182**	1	.	581	1
Green's Lake	Carp	CalFed	2000	**.220**	5	.	409	1
Green's Lake	Carp	CalFed	2000	**.335**	5	.	433	1
Little Holland Tract 2	Carp	CalFed	2000	**.243**	5	.	450	1
Little Holland Tract 2	Carp	CalFed	2000	**.239**	5	.	457	1
Prospect Slough/Liberty Island	Carp	FMP	2005	**.252**	1	.	438	1
Prospect Slough/Liberty Island	Carp	FMP	2005	**.430**	1	.	514	1
Prospect Slough/Liberty Island	Carp	FMP	2005	**.128**	1	.	517	1
Prospect Slough/Liberty Island	Carp	FMP	2005	**.354**	1	.	535	1
Prospect Slough/Liberty Island	Carp	FMP	2005	**.484**	1	.	583	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.227**	1	.	520	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.364**	1	.	530	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.121**	1	.	556	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.259**	1	.	582	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.217**	1	.	604	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.241**	1	.	606	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.441**	1	.	629	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.221**	1	.	641	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.330**	1	.	674	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Carp	FMP	2006	**.558**	1	.	679	1
Sacramento River at Knights Landing	Carp	FMP	2006	**.106**	1	.	529	1
Sacramento River at Knights Landing	Carp	FMP	2006	**.249**	1	.	529	1
Sacramento River at Knights Landing	Carp	FMP	2006	**.288**	1	.	602	1
Sacramento River at Knights Landing	Carp	FMP	2006	**.349**	1	.	602	1
Sacramento River at Knights Landing	Carp	FMP	2006	**.083**	1	.	671	1
Sacramento River at RM 44	Carp	CalFed	2000	**.256**	3	.	566	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Carp	FMP	2006	**.199**	1	.	460	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Carp	FMP	2006	**.126**	1	.	469	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Carp	FMP	2006	**.167**	1	.	473	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Carp	FMP	2006	**.273**	1	.	553	1
Sacramento River at Veterans Bridge	Carp	FMP	2005	**.070**	1	.	406	1
Sacramento River at Veterans Bridge	Carp	FMP	2005	**.300**	1	.	454	1
Sacramento River at Veterans Bridge	Carp	FMP	2005	**.269**	1	.	495	1
Sacramento River at Veterans Bridge	Carp	FMP	2005	**.558**	1	.	581	1
Sacramento River near Verona	Carp	FMP	2006	**.228**	1	.	422	1
Sacramento River near Verona	Carp	FMP	2006	**.339**	1	.	467	1
Sacramento River near Verona	Carp	FMP	2006	**.186**	1	.	471	1
Sacramento River near Verona	Carp	FMP	2006	**.378**	1	.	558	1
Sacramento River near Verona	Carp	FMP	2006	**.303**	1	.	584	1
Sacramento River/Colusa	Carp	SRWP	1998	**.186**	5	.	398	1
Sacramento River/Hood	Carp	TSMP	1987	**.160**	6	498	548	1
Sacramento River/Hood	Carp	TSMP	1985	**.340**	6	519	571	1
Sacramento River/Hood	Carp	TSMP	1986	**.280**	6	536	590	1
Sacramento River/Rio Vista	Carp	FMP	2005	**.330**	1	.	545	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River/Rio Vista	Carp	FMP	2005	**.306**	1	.	557	1
Sacramento River/Rio Vista	Carp	FMP	2005	**.353**	1	.	567	1
Sacramento River/Rio Vista	Carp	FMP	2005	**.265**	1	.	595	1
Sacramento River/Rio Vista	Carp	FMP	2005	**.303**	1	.	600	1
Sacramento River/Rio Vista	Carp	FMP	2005	**.264**	1	.	607	1
Snodgrass Slough near Delta Meadows	Carp	FMP	2006	**.227**	1	.	568	1
Snodgrass Slough near Delta Meadows	Carp	FMP	2006	**.335**	1	.	597	1
Snodgrass Slough near Delta Meadows	Carp	FMP	2006	**.279**	1	.	604	1
Snodgrass Slough near Delta Meadows	Carp	FMP	2006	**.203**	1	.	634	1
Snodgrass Slough near Delta Meadows	Carp	FMP	2006	**.529**	1	.	702	1
Steamboat Slough	Carp	FMP	2006	**.503**	1	.	541	1
Steamboat Slough	Carp	FMP	2006	**.297**	1	.	571	1
Steamboat Slough	Carp	FMP	2006	**.369**	1	.	572	1
Steamboat Slough	Carp	FMP	2006	**.415**	1	.	585	1
Steamboat Slough	Carp	FMP	2006	**.380**	1	.	599	1
Sutter Bypass	Carp	TSMP	1981	**.130**	1	425	468	1
Sutter Bypass below Kirkville Road	Carp	FMP	2006	**.216**	1	.	415	1
Sutter Bypass below Kirkville Road	Carp	FMP	2006	**.099**	1	.	468	1
Sutter Bypass below Kirkville Road	Carp	FMP	2006	**.109**	1	.	470	1
Toe Drain	Carp	FMP	2006	**.085**	1	.	355	1
Toe Drain	Carp	FMP	2006	**.275**	1	.	446	1
Toe Drain	Carp	FMP	2006	**.420**	1	.	458	1
Toe Drain	Carp	FMP	2006	**.591**	1	.	550	1
Toe Drain	Carp	FMP	2006	**.938**	1	.	599	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.182**	1	.	370	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.645**	1	.	405	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.328**	1	.	425	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.231**	1	.	465	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.297**	1	.	490	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.611**	1	.	490	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.387**	1	.	497	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.355**	1	.	505	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.315**	1	.	517	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.339**	1	.	534	1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.587**	1	.	560	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Butte Creek at Colusa Highway	Channel Catfish	FMP	2006	**.517**	1	.	726	1
Cache Slough near Ryer Island Ferry 2	Channel Catfish	CalFed	2000	**.236**	2	.	412	1
Colusa Drain/Abel Road	Channel Catfish	TSMP	1988	**.140**	5	205	236	1
Colusa Drain/Abel Road	Channel Catfish	TSMP	1988	**.160**	5	208	239	1
Colusa Drain/Abel Road	Channel Catfish	TSMP	1981	**.150**	4	309	355	1
Colusa Drain/Knights Landing	Channel Catfish	TSMP	1987	**.190**	8	205	236	1
Colusa Drain/Knights Landing	Channel Catfish	TSMP	1981	**.120**	6	302	347	1
Prospect Slough/Liberty Island	Channel Catfish	FMP	2005	**.295**	1	.	437	1
Prospect Slough/Liberty Island	Channel Catfish	FMP	2005	**.162**	1	.	505	1
Reclamation Slough	Channel Catfish	TSMP	1980	**.170**	1	232	267	1
Reclamation Slough	Channel Catfish	TSMP	1981	**.230**	4	414	476	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.121**	1	.	201	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.255**	1	.	319	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.197**	1	.	347	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.266**	1	.	348	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.333**	1	.	350	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.265**	1	.	433	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.397**	1	.	449	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.542**	1	.	490	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.409**	1	.	509	1
Sacramento River at Colusa	Channel Catfish	FMP	2005	**.458**	1	.	614	1
Sacramento River at Grimes	Channel Catfish	FMP	2005	**.238**	1	.	509	1
Sacramento River at Grimes	Channel Catfish	FMP	2005	**.447**	1	.	554	1
Sacramento River at Grimes	Channel Catfish	FMP	2005	**.362**	1	.	601	1
Sacramento River at Grimes	Channel Catfish	FMP	2005	**.378**	1	.	614	1
Sacramento River at Grimes	Channel Catfish	FMP	2005	**.290**	1	.	623	1
Sacramento River at Grimes	Channel Catfish	FMP	2005	**.177**	1	.	646	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.213**	1	.	266	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.147**	1	.	293	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.135**	1	.	297	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.174**	1	.	306	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.157**	1	.	326	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.209**	1	.	349	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.286**	1	.	394	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.329**	1	.	428	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.444**	1	.	429	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.405**	1	.	448	1
Sacramento River at Knights Landing	Channel Catfish	FMP	2006	**.471**	1	.	448	1
Sacramento River at Veterans Bridge	Channel Catfish	FMP	2005	**.229**	1	.	370	1
Sacramento River at Veterans Bridge	Channel Catfish	FMP	2005	**.181**	1	.	375	1
Sacramento River at Veterans Bridge	Channel Catfish	FMP	2005	**.343**	1	.	384	1
Sacramento River at Veterans Bridge	Channel Catfish	FMP	2005	**.355**	1	.	390	1
Sacramento River at Veterans Bridge	Channel Catfish	FMP	2005	**.414**	1	.	442	1
Sacramento River at Veterans Bridge	Channel Catfish	FMP	2005	**.193**	1	.	464	1
Sacramento River at Veterans Bridge	Channel Catfish	FMP	2005	**.919**	1	.	475	1
Sacramento River at Veterans Bridge	Channel Catfish	FMP	2005	**.298**	1	.	535	1
Sacramento River at Veterans Bridge	Channel Catfish	FMP	2005	**1.265**	1	.	630	1
Sacramento River near Verona	Channel Catfish	FMP	2006	**.436**	1	.	428	1
Sacramento River/Hood	Channel Catfish	TSMP	1993	**.150**	1	295	339	1
Sacramento River/Hood	Channel Catfish	TSMP	1982	**.190**	3	438	504	1
Sacramento River/Rio Vista	Channel Catfish	FMP	2005	**.112**	1	.	403	1
Sacramento Slough	Channel Catfish	FMP	2005	**.335**	1	.	274	1
Sacramento Slough	Channel Catfish	FMP	2005	**.254**	1	.	289	1
Sacramento Slough	Channel Catfish	FMP	2005	**.183**	1	.	296	1
Sacramento Slough	Channel Catfish	FMP	2005	**.258**	1	.	315	1
Sacramento Slough	Channel Catfish	FMP	2005	**.202**	1	.	346	1
Sacramento Slough	Channel Catfish	FMP	2005	**.255**	1	.	359	1
Sacramento Slough	Channel Catfish	FMP	2005	**.175**	1	.	363	1
Sacramento Slough	Channel Catfish	FMP	2005	**.202**	1	.	367	1
Sacramento Slough	Channel Catfish	FMP	2005	**.742**	1	.	471	1
Sacramento Slough	Channel Catfish	FMP	2005	**.292**	1	.	646	1
Snodgrass Slough near Delta Meadows	Channel Catfish	FMP	2006	**.229**	1	.	490	1
Steamboat Slough	Channel Catfish	FMP	2006	**.358**	1	.	341	1
Steamboat Slough	Channel Catfish	FMP	2006	**.321**	1	.	486	1
Sutter Bypass	Channel Catfish	TSMP	1981	**.190**	6	384	442	1
Toe Drain	Channel Catfish	FMP	2006	**.431**	1	.	340	1
Toe Drain	Channel Catfish	FMP	2006	**.420**	1	.	348	1
Toe Drain	Channel Catfish	FMP	2006	**.468**	1	.	418	1
Toe Drain	Channel Catfish	FMP	2006	**.511**	1	.	423	1
Toe Drain	Channel Catfish	FMP	2006	**.467**	1	.	425	1
Toe Drain	Channel Catfish	FMP	2006	**.277**	1	.	444	1
Toe Drain	Channel Catfish	FMP	2006	**.431**	1	.	469	1
Toe Drain	Channel Catfish	FMP	2006	**.450**	1	.	473	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Toe Drain	Channel Catfish	FMP	2006	**.408**	1	.	494	1
Toe Drain	Channel Catfish	FMP	2006	**.347**	1	.	496	1
Toe Drain	Channel Catfish	FMP	2006	**.243**	1	.	499	1
Sacramento River at RM 44	Chinook Salmon	FMP	2005	**.042**	1	.	599	1
Sacramento River at RM 44	Chinook Salmon	FMP	2005	**.080**	1	.	656	1
Sacramento River at RM 44	Chinook Salmon	FMP	2005	**.065**	1	.	779	1
Sacramento River at RM 44	Chinook Salmon	FMP	2005	**.071**	1	.	781	1
Sacramento River at RM 44	Chinook Salmon	FMP	2005	**.074**	1	.	829	1
Sacramento River at RM 44	Chinook Salmon	FMP	2005	**.062**	1	.	833	1
Sacramento River at RM 44	Chinook Salmon	FMP	2005	**.069**	1	.	920	1
Sacramento River at RM 44	Chinook Salmon	TSMP	2002	**.058**	3	798	798	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Chinook Salmon	FMP	2006	**.094**	1	.	806	1
Butte Creek at Colusa Highway	Crappie	FMP	2006	**.364**	1	.	195	1
Cache Slough near Ryer Island Ferry	Crappie	SRWP	2000	**.315**	5	.	231	1
Colusa Basin Drain	Crappie	SRWP	2001	**.078**	5	.	241	1
Green's Lake	Crappie	CalFed	2000	**.591**	5	.	186	1
Green's Lake	Crappie	CalFed	2000	**.407**	5	.	329	1
Prospect Slough/Liberty Island	Crappie	FMP	2005	**.147**	1	.	257	1
Prospect Slough/Liberty Island	Crappie	FMP	2005	**.280**	1	.	258	1
Prospect Slough/Liberty Island	Crappie	FMP	2005	**.134**	1	.	281	1
Prospect Slough/Liberty Island	Crappie	FMP	2005	**.346**	1	.	289	1
Sacramento River/Rio Vista	Crappie	FMP	2005	**.138**	1	.	231	1
Snodgrass Slough near Delta Meadows	Crappie	FMP	2006	**.432**	1	.	212	1
Snodgrass Slough near Delta Meadows	Crappie	FMP	2006	**.424**	1	.	227	1
Snodgrass Slough near Delta Meadows	Crappie	FMP	2006	**.686**	1	.	270	1
Steamboat Slough	Crappie	FMP	2006	**.251**	1	.	170	1
Steamboat Slough	Crappie	FMP	2006	**.284**	1	.	225	1
Sutter Bypass below Kirkville Road	Crappie	FMP	2006	**.426**	1	.	260	1
Sutter Bypass below Kirkville Road	Crappie	FMP	2006	**.382**	1	.	280	1
Sutter Bypass below Kirkville Road	Crappie	FMP	2006	**.227**	1	.	395	1
Toe Drain	Crappie	FMP	2006	**.117**	1	.	190	1
Toe Drain	Crappie	FMP	2006	**.180**	1	.	190	1
Toe Drain	Crappie	FMP	2006	**.158**	1	.	207	1
Toe Drain	Crappie	FMP	2006	**.359**	1	.	222	1
Toe Drain	Crappie	FMP	2006	**.373**	1	.	235	1
Toe Drain	Crappie	FMP	2006	**.390**	1	.	245	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Cache Slough (lower)	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.317**	1	.	46	1
Cache Slough (lower)	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.520**	1	.	47	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.104**	1	.	37	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.135**	1	.	39	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.103**	1	.	40	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.148**	1	.	41	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.139**	1	.	42	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.234**	1	.	44	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.260**	1	.	44	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.314**	1	.	44	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.583**	1	.	51	1
Delta Cross Canal	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.212**	1	.	53	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.181**	1	.	41	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.195**	1	.	43	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.226**	1	.	45	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.194**	1	.	47	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.110**	1	.	49	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.325**	1	.	49	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.141**	1	.	50	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.153**	1	.	50	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.220**	1	.	51	1
Georgiana Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.283**	1	.	58	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.158**	1	.	43	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.167**	1	.	43	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.182**	1	.	44	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.227**	1	.	44	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.106**	1	.	45	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.179**	1	.	45	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.112**	1	.	47	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.139**	1	.	47	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.255**	1	.	49	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.138**	1	.	51	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.193**	1	.	51	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.143**	1	.	52	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.209**	1	.	52	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.190**	1	.	53	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.260**	1	.	53	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.417**	1	.	54	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.157**	1	.	55	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.297**	1	.	55	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.354**	1	.	55	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.223**	1	.	56	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.354**	1	.	58	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.186**	1	.	63	1
Lindsey Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.345**	1	.	65	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.190**	1	.	38	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.132**	1	.	39	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.133**	1	.	39	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.102**	1	.	40	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.123**	1	.	41	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.175**	1	.	41	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.191**	1	.	42	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.247**	1	.	43	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.179**	1	.	45	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.257**	1	.	45	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.392**	1	.	45	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.116**	1	.	47	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.195**	1	.	47	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.135**	1	.	48	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.296**	1	.	48	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.326**	1	.	48	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.461**	1	.	50	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.353**	1	.	51	1
Miner Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.387**	1	.	58	1
Prospect Island	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.121**	1	.	44	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.134**	1	.	38	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.169**	1	.	41	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.184**	1	.	48	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.164**	1	.	52	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.229**	1	.	52	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.190**	1	.	53	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.496**	1	.	53	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.164**	1	.	57	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.291**	1	.	57	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.190**	1	.	58	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.238**	1	.	59	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.292**	1	.	60	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.662**	1	.	61	1
Prospect Slough/Liberty Island	Crayfish1 (Pacifastacus)	UCDavis3	1998	**.390**	1	.	64	1
Sacramento River Deep Water Ship Channel	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.205**	1	.	36	1
Sacramento River Deep Water Ship Channel	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.098**	1	.	42	1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.186**	1	.	33	1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.147**	1	.	34	1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.247**	1	.	40	1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.220**	1	.	42	1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.585**	1	.	42	1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.507**	1	.	46	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.421**	1	.	48	1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.237**	1	.	49	1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.278**	1	.	54	1
Sacramento River near Isleton	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.604**	1	.	58	1
Sacramento River/Decker Island (inner channel)	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.107**	1	.	44	1
Sacramento River/Decker Island (inner channel)	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.106**	1	.	47	1
Sacramento River/Decker Island (inner channel)	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.286**	1	.	51	1
Sacramento River/Decker Island (inner channel)	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.224**	1	.	58	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.551**	1	.	37	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.181**	1	.	40	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.327**	1	.	40	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.435**	1	.	40	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.251**	1	.	43	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.313**	1	.	45	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.347**	1	.	47	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.380**	1	.	48	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.291**	1	.	49	1
Sacramento River/Rio Vista	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.370**	1	.	52	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.350**	1	.	33	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.207**	1	.	35	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.264**	1	.	37	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.244**	1	.	39	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.200**	1	.	41	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.210**	1	.	42	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.266**	1	.	45	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.348**	1	.	46	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.234**	1	.	47	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.523**	1	.	49	1
Steamboat Slough	Crayfish1 (Pacifastacus)	UCDavis3	1999	**.404**	1	.	51	1
Cache Slough	Crayfish2 (Procambarus)	UCDavis3	1999	**.044**	1	.	37	1
Cache Slough	Crayfish2 (Procambarus)	UCDavis3	1999	**.054**	1	.	47	1
Cache Slough	Crayfish2 (Procambarus)	UCDavis3	1999	**.048**	1	.	48	1
Cache Slough	Crayfish2 (Procambarus)	UCDavis3	1999	**.082**	1	.	50	1
Delta Meadows	Crayfish2 (Procambarus)	UCDavis3	1998	**.063**	1	.	41	1
Little Holland Tract 1	Crayfish2 (Procambarus)	UCDavis3	1998	**.339**	1	.	47	1
Miner Slough	Crayfish2 (Procambarus)	UCDavis3	1999	**.166**	1	.	37	1
Prospect Island	Crayfish2 (Procambarus)	UCDavis3	1999	**.080**	1	.	45	1
Prospect Island	Crayfish2 (Procambarus)	UCDavis3	1998	**.151**	1	.	46	1
Prospect Island	Crayfish2 (Procambarus)	UCDavis3	1999	**.047**	1	.	47	1
Prospect Island	Crayfish2 (Procambarus)	UCDavis3	1999	**.057**	1	.	56	1
Prospect Island	Crayfish2 (Procambarus)	UCDavis3	1999	**.083**	1	.	56	1
Cache Slough	Crayfish3 (Orconectes)	UCDavis3	1999	**.097**	1	.	43	1
Sacramento River at Veterans Bridge	crayfish4 (Signal)	TSMP	1991	**.090**	5	.	48	1
Sacramento River at Veterans Bridge	crayfish4 (Signal)	TSMP	1991	**.080**	5	.	49	1
Sacramento River at Veterans Bridge	crayfish4 (Signal)	TSMP	1991	**.090**	5	.	49	1
Sacramento River/Hood	crayfish4 (Signal)	TSMP	1991	**.050**	7	.	38	1
Sacramento River/Hood	crayfish4 (Signal)	TSMP	1991	**.070**	7	.	39	1
Sacramento River/Hood	crayfish4 (Signal)	TSMP	1991	**.070**	7	.	39	1
Toe Drain	Goldfish	FMP	2006	**.163**	1	.	265	1
Toe Drain	Goldfish	FMP	2006	**.087**	1	.	290	1
Toe Drain	Goldfish	FMP	2006	**.315**	1	.	367	1
Toe Drain	Goldfish	FMP	2006	**.488**	1	.	375	1
Sacramento River at Bend Bridge	Hardhead	FMP	2005	**.127**	1	.	316	1
Sacramento River at Bend Bridge	Hardhead	FMP	2005	**.304**	1	.	381	1
Sacramento River at Bend Bridge	Hardhead	FMP	2005	**.280**	1	.	389	1
Sacramento River at Bend Bridge	Hardhead	FMP	2005	**.545**	1	.	391	1
Sacramento River at Bend Bridge	Hardhead	FMP	2005	**.329**	1	.	423	1
Sacramento River at Hamilton City	Hardhead	FMP	2005	**.094**	1	.	314	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Hamilton City	Hardhead	FMP	2005	**.184**	1	.	342	1
Sacramento River at Hamilton City	Hardhead	FMP	2005	**.259**	1	.	345	1
Sacramento River at Hamilton City	Hardhead	FMP	2005	**.172**	1	.	385	1
Sacramento River at Hamilton City	Hardhead	FMP	2005	**.810**	1	.	385	1
Sacramento River near Hamilton	Hardhead	FMP	2006	**.114**	1	.	356	1
Sacramento River near Hamilton	Hardhead	FMP	2006	**.164**	1	.	390	1
Sacramento River near Hamilton	Hardhead	FMP	2006	**.496**	1	.	397	1
Sacramento River near Hamilton	Hardhead	FMP	2006	**.553**	1	.	423	1
Sacramento River near Hamilton	Hardhead	FMP	2006	**.160**	1	.	444	1
Sacramento River near Hamilton	Hardhead	TSMP	1981	**.130**	5	334	334	1
Prospect Slough/Liberty Island	Hitch	FMP	2005	**.113**	1	.	260	1
Prospect Slough/Liberty Island	Hitch	FMP	2005	**.046**	1	.	306	1
Sacramento River/Rio Vista	Hitch	FMP	2005	**.261**	1	.	355	1
Sacramento River/Rio Vista	Hitch	FMP	2005	**.329**	1	.	364	1
Sacramento River/Rio Vista	Hitch	FMP	2005	**.364**	1	.	375	1
Sacramento River/Rio Vista	Hitch	FMP	2005	**.333**	1	.	385	1
Sacramento River/Rio Vista	Hitch	FMP	2005	**.336**	1	.	387	1
Beach Lake	Largemouth Bass	TSMP	1987	**.480**	6	354	372	1
Beach Lake	Largemouth Bass	TSMP	1985	**.580**	6	369	388	1
Beach Lake	Largemouth Bass	TSMP	1985	**.510**	6	382	401	1
Beach Lake	Largemouth Bass	TSMP	1986	**.650**	6	415	436	1
Big Chico Creek near mouth	Largemouth Bass	SRWP	2000	**.331**	5	.	359	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.685**	1	.	337	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.479**	1	.	344	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.301**	1	.	350	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.402**	1	.	352	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.505**	1	.	354	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.449**	1	.	356	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.284**	1	.	386	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.681**	1	.	389	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.947**	1	.	400	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.598**	1	.	413	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.554**	1	.	420	1
Butte Creek at Colusa Highway	Largemouth Bass	FMP	2006	**.731**	1	.	470	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**.393**	1	.	270	0
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**.308**	1	.	290	0
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**.819**	1	.	319	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**.528**	1	.	340	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	1999	**.747**	1	.	340	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	1999	**.872**	1	.	340	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**.314**	1	.	348	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**.494**	1	.	348	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**.592**	1	.	365	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	1998	**.723**	5	.	367	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	1999	**1.180**	1	.	380	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**.485**	1	.	382	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	1999	**.877**	1	.	385	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**.604**	1	.	388	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**1.137**	1	.	400	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	1999	**.898**	1	.	429	1
Cache Slough near Ryer Island Ferry	Largemouth Bass	SRWP	2000	**1.267**	1	.	560	1
Cross Canal	Largemouth Bass	FMP	2006	**.303**	1	.	307	1
Cross Canal	Largemouth Bass	FMP	2006	**.298**	1	.	314	1
Cross Canal	Largemouth Bass	FMP	2006	**.444**	1	.	322	1
Cross Canal	Largemouth Bass	FMP	2006	**.325**	1	.	351	1
Cross Canal	Largemouth Bass	FMP	2006	**.418**	1	.	365	1
Cross Canal	Largemouth Bass	FMP	2006	**.443**	1	.	381	1
Cross Canal	Largemouth Bass	FMP	2006	**.428**	1	.	410	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Cross Canal	Largemouth Bass	FMP	2006	**.557**	1	.	412	1
Cross Canal	Largemouth Bass	FMP	2006	**.546**	1	.	421	1
Cross Canal	Largemouth Bass	FMP	2006	**.524**	1	.	435	1
Cross Canal	Largemouth Bass	FMP	2006	**.635**	1	.	445	1
Cross Canal	Largemouth Bass	FMP	2006	**.711**	1	.	535	1
Cross Canal	Largemouth Bass	TSMP	1990	**.400**	6	365	383	1
Cross Canal	Largemouth Bass	TSMP	1987	**1.100**	2	446	468	1
Georgiana Slough	Largemouth Bass	FMP	2006	**.317**	1	.	231	0
Georgiana Slough	Largemouth Bass	FMP	2006	**.400**	1	.	307	1
Georgiana Slough	Largemouth Bass	FMP	2006	**.315**	1	.	310	1
Georgiana Slough	Largemouth Bass	FMP	2006	**.772**	1	.	425	1
Green's Lake	Largemouth Bass	CalFed	2000	**.596**	1	.	365	1
Prospect Slough/Liberty Island	Largemouth Bass	FMP	2005	**.170**	1	.	261	0
Prospect Slough/Liberty Island	Largemouth Bass	FMP	2005	**.185**	1	.	303	0
Prospect Slough/Liberty Island	Largemouth Bass	FMP	2005	**.291**	1	.	315	1
Prospect Slough/Liberty Island	Largemouth Bass	FMP	2005	**.332**	1	.	315	1
Prospect Slough/Liberty Island	Largemouth Bass	FMP	2005	**.337**	1	.	322	1
Prospect Slough/Liberty Island	Largemouth Bass	FMP	2005	**.403**	1	.	333	1
Prospect Slough/Liberty Island	Largemouth Bass	FMP	2005	**.265**	1	.	355	1
Prospect Slough/Liberty Island	Largemouth Bass	FMP	2005	**.334**	1	.	368	1
Prospect Slough/Liberty Island	Largemouth Bass	TSMP	2001	**.688**	5	373	392	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Largemouth Bass	FMP	2006	**.975**	1	.	376	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Largemouth Bass	FMP	2006	**.814**	1	.	394	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Largemouth Bass	FMP	2006	**.865**	1	.	428	1
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.127**	1	.	176	0

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.140**	1	.	200	0
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.158**	1	.	209	0
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.318**	1	.	296	0
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.747**	1	.	320	1
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.413**	1	.	353	1
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.733**	1	.	362	1
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.626**	1	.	380	1
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.689**	1	.	382	1
Sacramento River at Butte City	Largemouth Bass	FMP	2005	**.577**	1	.	390	1
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.241**	1	.	236	0
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.292**	1	.	289	0
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.577**	1	.	331	1
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.383**	1	.	346	1
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.599**	1	.	349	1
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.531**	1	.	353	1
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.651**	1	.	384	1
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.762**	1	.	424	1
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.754**	1	.	461	1
Sacramento River at Colusa	Largemouth Bass	FMP	2005	**.847**	1	.	509	1
Sacramento River at Knights Landing	Largemouth Bass	FMP	2006	**.206**	1	.	251	0
Sacramento River at Knights Landing	Largemouth Bass	FMP	2006	**.289**	1	.	307	1
Sacramento River at Knights Landing	Largemouth Bass	FMP	2006	**.337**	1	.	324	1
Sacramento River at Knights Landing	Largemouth Bass	FMP	2006	**.784**	1	.	382	1
Sacramento River at Knights Landing	Largemouth Bass	FMP	2006	**.447**	1	.	458	1
Sacramento River at Knights Landing	Largemouth Bass	TSMP	2002	**.763**	5	361	379	1
Sacramento River at Knights Landing	Largemouth Bass	TSMP	2002	**.604**	1	400	420	1
Sacramento River at RM 44	Largemouth Bass	FMP	2005	**.189**	1	.	180	0
Sacramento River at RM 44	Largemouth Bass	FMP	2005	**.203**	1	.	265	0
Sacramento River at RM 44	Largemouth Bass	FMP	2005	**.233**	1	.	293	0

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at RM 44	Largemouth Bass	FMP	2005	**.290**	1	.	296	0
Sacramento River at RM 44	Largemouth Bass	FMP	2005	**.448**	1	.	296	0
Sacramento River at RM 44	Largemouth Bass	FMP	2005	**.232**	1	.	316	1
Sacramento River at RM 44	Largemouth Bass	FMP	2005	**.577**	1	.	415	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.177**	1	.	227	0
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.342**	1	.	247	0
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.441**	1	.	281	0
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.454**	1	.	286	0
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**.775**	1	.	315	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**.867**	1	.	317	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.918**	1	.	327	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1998	**.895**	5	.	334	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**.524**	1	.	341	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**1.050**	1	.	341	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.699**	1	.	343	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1998	**.748**	5	.	345	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.889**	1	.	345	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2003	**.680**	5	.	347	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.862**	1	.	350	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**1.350**	1	.	350	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**.750**	1	.	355	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.742**	1	.	356	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**.883**	1	.	358	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**.858**	1	.	359	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**1.109**	1	.	359	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**1.064**	1	.	376	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**1.010**	1	.	379	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**1.370**	1	.	381	1
Sacramento River at RM 44	Largemouth Bass	SRWP	1999	**1.340**	1	.	385	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**1.256**	1	.	386	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2000	**1.084**	1	.	392	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2002	**.887**	5	.	392	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2002	**.928**	5	.	393	1
Sacramento River at RM 44	Largemouth Bass	SRWP	2003	**1.368**	5	.	408	1
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**.207**	1	.	200	0
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**.224**	1	.	202	0
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**.267**	1	.	241	0
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**.244**	1	.	281	0
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**.417**	1	.	302	0
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**.423**	1	.	322	1
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**.410**	1	.	345	1
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**.652**	1	.	368	1
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**1.069**	1	.	382	1
Sacramento River at Veterans Bridge	Largemouth Bass	FMP	2005	**1.534**	1	.	386	1
Sacramento River at Veterans Bridge	Largemouth Bass	SRWP	1998	**.818**	5	.	335	1
Sacramento River at Veterans Bridge	Largemouth Bass	SRWP	2000	**.958**	5	.	371	1
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**.143**	1	.	226	0
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**.413**	1	.	245	0
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**.318**	1	.	254	0
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**.434**	1	.	303	0
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**.330**	1	.	325	1
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**.331**	1	.	341	1
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**.833**	1	.	342	1
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**.979**	1	.	345	1
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**1.012**	1	.	372	1
Sacramento River near Isleton	Largemouth Bass	CalFed	2000	**.955**	1	.	385	1
Sacramento River near Verona	Largemouth Bass	FMP	2006	**.433**	1	.	285	0
Sacramento River near Verona	Largemouth Bass	FMP	2006	**.344**	1	.	310	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River/Hood	Largemouth Bass	TSMP	1987	**.280**	3	280	294	0
Sacramento River/Hood	Largemouth Bass	TSMP	1988	**.390**	6	343	360	1
Sacramento River/Hood	Largemouth Bass	TSMP	1998	**.779**	1	357	375	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.226**	1	.	226	0
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.233**	1	.	238	0
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.191**	1	.	240	0
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.290**	1	.	270	0
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.329**	1	.	280	0
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.395**	1	.	281	0
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.242**	1	.	290	0
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.319**	1	.	309	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.222**	1	.	315	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.307**	1	.	331	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.246**	1	.	340	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.382**	1	.	340	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.512**	1	.	340	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.575**	1	.	350	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**1.087**	1	.	401	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**1.285**	1	.	430	1
Sacramento River/Rio Vista	Largemouth Bass	FMP	2005	**.871**	1	.	475	1
Sacramento Slough	Largemouth Bass	FMP	2005	**.279**	1	.	239	0
Sacramento Slough	Largemouth Bass	FMP	2005	**.245**	1	.	247	0
Sacramento Slough	Largemouth Bass	FMP	2005	**.201**	1	.	256	0
Sacramento Slough	Largemouth Bass	FMP	2005	**.198**	1	.	279	0
Sacramento Slough	Largemouth Bass	FMP	2005	**.293**	1	.	319	1
Sacramento Slough	Largemouth Bass	FMP	2005	**.259**	1	.	352	1
Sacramento Slough	Largemouth Bass	FMP	2005	**.392**	1	.	358	1
Sacramento Slough	Largemouth Bass	FMP	2005	**.337**	1	.	363	1
Sacramento Slough	Largemouth Bass	FMP	2005	**.857**	1	.	466	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento Slough	Largemouth Bass	FMP	2005	**.895**	1	.	484	1
Sacramento Slough	Largemouth Bass	SRWP	2000	**.492**	5	.	355	1
Sacramento Slough	Largemouth Bass	SRWP	1999	**.442**	5	.	381	1
Sacramento Slough	Largemouth Bass	SRWP	1998	**.506**	5	.	381	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.362**	1	.	266	0
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.518**	1	.	299	0
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.360**	1	.	315	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.328**	1	.	317	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.345**	1	.	324	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.403**	1	.	335	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.434**	1	.	369	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.496**	1	.	381	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.549**	1	.	390	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.528**	1	.	400	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.390**	1	.	410	1
Snodgrass Slough near Delta Meadows	Largemouth Bass	FMP	2006	**.588**	1	.	420	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.305**	1	.	288	0
Steamboat Slough	Largemouth Bass	FMP	2006	**.475**	1	.	296	0
Steamboat Slough	Largemouth Bass	FMP	2006	**.340**	1	.	307	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.365**	1	.	307	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.375**	1	.	307	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.399**	1	.	319	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.342**	1	.	323	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.366**	1	.	336	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.822**	1	.	347	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.867**	1	.	355	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.916**	1	.	415	1
Steamboat Slough	Largemouth Bass	FMP	2006	**1.230**	1	.	430	1
Steamboat Slough	Largemouth Bass	FMP	2006	**.751**	1	.	472	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sutter Bypass below Kirkville Road	Largemouth Bass	FMP	2006	**.191**	1	.	273	0
Sutter Bypass below Kirkville Road	Largemouth Bass	FMP	2006	**.216**	1	.	280	0
Sutter Bypass below Kirkville Road	Largemouth Bass	FMP	2006	**.301**	1	.	285	0
Sutter Bypass below Kirkville Road	Largemouth Bass	FMP	2006	**.353**	1	.	290	0
Sutter Bypass below Kirkville Road	Largemouth Bass	FMP	2006	**.352**	1	.	350	1
Sutter Bypass below Kirkville Road	Largemouth Bass	FMP	2006	**.380**	1	.	363	1
Sutter Bypass below Kirkville Road	Largemouth Bass	FMP	2006	**.402**	1	.	378	1
Sutter Bypass below Kirkville Road	Largemouth Bass	FMP	2006	**.627**	1	.	420	1
Sutter Bypass below Kirkville Road	Largemouth Bass	FMP	2006	**.712**	1	.	468	1
Toe Drain	Largemouth Bass	FMP	2006	**.154**	1	.	213	0
Toe Drain	Largemouth Bass	FMP	2006	**.142**	1	.	260	0
Toe Drain	Largemouth Bass	FMP	2006	**.176**	1	.	270	0
Toe Drain	Largemouth Bass	FMP	2006	**.223**	1	.	279	0
Toe Drain	Largemouth Bass	FMP	2006	**.371**	1	.	282	0
Toe Drain	Largemouth Bass	FMP	2006	**.126**	1	.	285	0
Toe Drain	Largemouth Bass	FMP	2006	**.315**	1	.	308	1
Toe Drain	Largemouth Bass	FMP	2006	**.221**	1	.	311	1
Toe Drain	Largemouth Bass	FMP	2006	**.269**	1	.	317	1
Toe Drain	Largemouth Bass	FMP	2006	**.607**	1	.	324	1
Toe Drain	Largemouth Bass	FMP	2006	**.338**	1	.	332	1
Toe Drain	Largemouth Bass	FMP	2006	**.537**	1	.	342	1
Toe Drain	Largemouth Bass	FMP	2006	**.317**	1	.	354	1
Toe Drain	Largemouth Bass	FMP	2006	**.588**	1	.	367	1
Toe Drain	Largemouth Bass	FMP	2006	**.570**	1	.	399	1
Toe Drain	Largemouth Bass	FMP	2006	**.449**	1	.	402	1
Toe Drain	Largemouth Bass	FMP	2006	**1.020**	1	.	467	1
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.011**	1	.	160	0
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.015**	1	.	178	0
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.020**	1	.	180	0

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.013**	1	.	192	0
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.018**	1	.	200	1
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.014**	1	.	255	1
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.027**	1	.	302	1
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.024**	1	.	333	1
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.066**	1	.	350	1
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.037**	1	.	369	1
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.031**	1	.	382	1
Sacramento River at Bend Bridge	Rainbow Trout	FMP	2005	**.049**	1	.	391	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.022**	1	.	209	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.042**	1	.	219	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.033**	1	.	271	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.027**	1	.	282	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.030**	1	.	324	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.039**	1	.	336	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.035**	1	.	341	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.043**	1	.	344	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.026**	1	.	359	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.053**	1	.	360	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.063**	1	.	364	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	FMP	2006	**.064**	1	.	372	1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	SRWP	1998	**.032**	5	.	313	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Bend Bridge near Red Bluff	Rainbow Trout	SRWP	2000	**.043**	5	.	350	1
Sacramento River at Hamilton City	Rainbow Trout	FMP	2005	**.014**	1	.	255	1
Sacramento River at Hamilton City	Rainbow Trout	FMP	2005	**.039**	1	.	351	1
Sacramento River below Keswick	Rainbow Trout	SRWP	2001	**.002**	5	.	321	1
Sacramento River below Keswick	Rainbow Trout	SRWP	1998	**.032**	5	.	366	1
Sacramento River below Keswick	Rainbow Trout	SRWP	1998	**.036**	5	.	399	1
Sacramento River below Keswick	Rainbow Trout	SRWP	2000	**.035**	4	.	422	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.044**	1	.	259	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.027**	1	.	261	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.033**	1	.	261	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.027**	1	.	266	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.030**	1	.	280	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.042**	1	.	291	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.069**	1	.	296	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.025**	1	.	299	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.038**	1	.	314	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.046**	1	.	324	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.035**	1	.	341	1
Sacramento River near Deschutes Rd	Rainbow Trout	FMP	2006	**.056**	1	.	346	1
Sacramento River/d/s Shasta Dam	Rainbow Trout	TSMP	1985	**.020**	6	418	429	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1982	**.060**	5	278	285	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1980	**.050**	5	291	298	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1981	**.030**	6	293	300	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1993	**.030**	6	295	302	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1990	**.080**	6	312	320	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1983	**.080**	6	338	347	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1988	**.040**	6	343	352	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1996	**.020**	6	346	355	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1984	**.010**	6	356	365	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River/Keswick	Rainbow Trout	TSMP	1997	**.017**	6	361	370	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1998	**.048**	6	361	370	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1989	**.060**	6	361	370	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1986	**.060**	6	363	372	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1987	**.010**	6	386	396	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1992	**.050**	6	389	399	1
Sacramento River/Keswick	Rainbow Trout	TSMP	2002	**.062**	6	402	412	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1985	**.010**	6	424	435	1
Sacramento River/Keswick	Rainbow Trout	TSMP	1999	**.045**	6	438	449	1
Butte Creek at Colusa Highway	Redear Sunfish	FMP	2006	**.214**	1	.	130	1
Butte Creek at Colusa Highway	Redear Sunfish	FMP	2006	**.092**	1	.	142	1
Butte Creek at Colusa Highway	Redear Sunfish	FMP	2006	**.278**	1	.	166	1
Butte Creek at Colusa Highway	Redear Sunfish	FMP	2006	**.231**	1	.	190	1
Cross Canal	Redear Sunfish	FMP	2006	**.109**	1	.	140	1
Cross Canal	Redear Sunfish	FMP	2006	**.087**	1	.	148	1
Cross Canal	Redear Sunfish	FMP	2006	**.104**	1	.	153	1
Cross Canal	Redear Sunfish	FMP	2006	**.243**	1	.	169	1
Cross Canal	Redear Sunfish	FMP	2006	**.198**	1	.	191	1
Cross Canal	Redear Sunfish	TSMP	1988	**.160**	6	171	175	1
Georgiana Slough	Redear Sunfish	FMP	2006	**.092**	1	.	178	1
Georgiana Slough	Redear Sunfish	FMP	2006	**.063**	1	.	180	1
Georgiana Slough	Redear Sunfish	FMP	2006	**.109**	1	.	193	1
Georgiana Slough	Redear Sunfish	FMP	2006	**.492**	1	.	205	1
Georgiana Slough	Redear Sunfish	FMP	2006	**.156**	1	.	214	1
Prospect Slough/Liberty Island	Redear Sunfish	FMP	2005	**.208**	1	.	215	1
Prospect Slough/Liberty Island	Redear Sunfish	FMP	2005	**.253**	1	.	225	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.085**	1	.	149	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.159**	1	.	165	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.065**	1	.	170	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.131**	1	.	177	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.100**	1	.	192	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.112**	1	.	192	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.229**	1	.	201	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.074**	1	.	221	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.221**	1	.	233	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Redear Sunfish	FMP	2006	**.208**	1	.	236	1
Sacramento River at Colusa	Redear Sunfish	FMP	2005	**.104**	1	.	146	1
Sacramento River at Colusa	Redear Sunfish	FMP	2005	**.106**	1	.	156	1
Sacramento River at Colusa	Redear Sunfish	FMP	2005	**.186**	1	.	181	1
Sacramento River at Colusa	Redear Sunfish	FMP	2005	**.113**	1	.	182	1
Sacramento River at Colusa	Redear Sunfish	FMP	2005	**.204**	1	.	184	1
Sacramento River at Colusa	Redear Sunfish	FMP	2005	**.211**	1	.	198	1
Sacramento River at Colusa	Redear Sunfish	FMP	2005	**.085**	1	.	201	1
Sacramento River at Grimes	Redear Sunfish	FMP	2005	**.040**	1	.	161	1
Sacramento River at Grimes	Redear Sunfish	FMP	2005	**.085**	1	.	162	1
Sacramento River at Grimes	Redear Sunfish	FMP	2005	**.100**	1	.	166	1
Sacramento River at Grimes	Redear Sunfish	FMP	2005	**.057**	1	.	196	1
Sacramento River at Grimes	Redear Sunfish	FMP	2005	**.204**	1	.	209	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Grimes	Redear Sunfish	FMP	2005	**.223**	1	.	225	1
Sacramento River at Knights Landing	Redear Sunfish	FMP	2006	**.087**	1	.	160	1
Sacramento River at Knights Landing	Redear Sunfish	FMP	2006	**.080**	1	.	165	1
Sacramento River at Knights Landing	Redear Sunfish	FMP	2006	**.195**	1	.	174	1
Sacramento River at Knights Landing	Redear Sunfish	FMP	2006	**.100**	1	.	191	1
Sacramento River at Knights Landing	Redear Sunfish	FMP	2006	**.101**	1	.	214	1
Sacramento River at RM 44	Redear Sunfish	FMP	2005	**.055**	1	.	172	1
Sacramento River at RM 44	Redear Sunfish	FMP	2005	**.058**	1	.	179	1
Sacramento River at RM 44	Redear Sunfish	FMP	2005	**.104**	1	.	186	1
Sacramento River at RM 44	Redear Sunfish	FMP	2005	**.072**	1	.	191	1
Sacramento River at RM 44	Redear Sunfish	FMP	2005	**.128**	1	.	210	1
Sacramento River at Veterans Bridge	Redear Sunfish	FMP	2005	**.042**	1	.	167	1
Sacramento River at Veterans Bridge	Redear Sunfish	FMP	2005	**.042**	1	.	171	1
Sacramento River at Veterans Bridge	Redear Sunfish	FMP	2005	**.077**	1	.	175	1
Sacramento River at Veterans Bridge	Redear Sunfish	FMP	2005	**.073**	1	.	187	1
Sacramento River at Veterans Bridge	Redear Sunfish	FMP	2005	**.061**	1	.	210	1
Sacramento River near Verona	Redear Sunfish	FMP	2006	**.074**	1	.	151	1
Sacramento River near Verona	Redear Sunfish	FMP	2006	**.085**	1	.	156	1
Sacramento River near Verona	Redear Sunfish	FMP	2006	**.231**	1	.	157	1
Sacramento River near Verona	Redear Sunfish	FMP	2006	**.103**	1	.	170	1
Sacramento River near Verona	Redear Sunfish	FMP	2006	**.173**	1	.	184	1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.079**	1	.	162	1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.058**	1	.	172	1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.085**	1	.	172	1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.095**	1	.	180	1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.102**	1	.	194	1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.113**	1	.	204	1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.088**	1	.	214	1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.098**	1	.	214	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.372**	1	.	220	1
Sacramento River/Rio Vista	Redear Sunfish	FMP	2005	**.153**	1	.	252	1
Sacramento Slough	Redear Sunfish	TSMP	1989	**.120**	9	156	160	1
Snodgrass Slough near Delta Meadows	Redear Sunfish	FMP	2006	**.060**	1	.	171	1
Snodgrass Slough near Delta Meadows	Redear Sunfish	FMP	2006	**.221**	1	.	174	1
Snodgrass Slough near Delta Meadows	Redear Sunfish	FMP	2006	**.113**	1	.	182	1
Snodgrass Slough near Delta Meadows	Redear Sunfish	FMP	2006	**.309**	1	.	188	1
Snodgrass Slough near Delta Meadows	Redear Sunfish	FMP	2006	**.153**	1	.	190	1
Steamboat Slough	Redear Sunfish	FMP	2006	**.090**	1	.	183	1
Steamboat Slough	Redear Sunfish	FMP	2006	**.108**	1	.	209	1
Steamboat Slough	Redear Sunfish	FMP	2006	**.201**	1	.	210	1
Steamboat Slough	Redear Sunfish	FMP	2006	**.246**	1	.	228	1
Steamboat Slough	Redear Sunfish	FMP	2006	**.352**	1	.	229	1
Sutter Bypass below Kirkville Road	Redear Sunfish	FMP	2006	**.093**	1	.	160	1
Sutter Bypass below Kirkville Road	Redear Sunfish	FMP	2006	**.068**	1	.	165	1
Sutter Bypass below Kirkville Road	Redear Sunfish	FMP	2006	**.106**	1	.	165	1
Sutter Bypass below Kirkville Road	Redear Sunfish	FMP	2006	**.192**	1	.	170	1
Sutter Bypass below Kirkville Road	Redear Sunfish	FMP	2006	**.097**	1	.	180	1
Big Chico Creek near mouth	Sacramento Pikeminnow	SRWP	2000	**.484**	5	.	288	1
Georgiana Slough	Sacramento Pikeminnow	FMP	2006	**.061**	1	.	175	0
Georgiana Slough	Sacramento Pikeminnow	FMP	2006	**.091**	1	.	191	0
Georgiana Slough	Sacramento Pikeminnow	FMP	2006	**.112**	1	.	214	0
Georgiana Slough	Sacramento Pikeminnow	FMP	2006	**.091**	1	.	221	0
Georgiana Slough	Sacramento Pikeminnow	FMP	2006	**.108**	1	.	262	1
Prospect Slough/Liberty Island	Sacramento Pikeminnow	FMP	2005	**.432**	1	.	238	0
Prospect Slough/Liberty Island	Sacramento Pikeminnow	FMP	2005	**.271**	1	.	240	0
Prospect Slough/Liberty Island	Sacramento Pikeminnow	FMP	2005	**.189**	1	.	246	0
Prospect Slough/Liberty Island	Sacramento Pikeminnow	FMP	2005	**.170**	1	.	270	1
Prospect Slough/Liberty Island	Sacramento Pikeminnow	FMP	2005	**.222**	1	.	279	1
Prospect Slough/Liberty Island	Sacramento Pikeminnow	FMP	2005	**.240**	1	.	280	1
Prospect Slough/Liberty Island	Sacramento Pikeminnow	FMP	2005	**.390**	1	.	310	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Pikeminnow	FMP	2006	**.104**	1	.	174	0
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Pikeminnow	FMP	2006	**.109**	1	.	202	0
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Pikeminnow	FMP	2006	**.126**	1	.	216	0
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Pikeminnow	FMP	2006	**.270**	1	.	275	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Pikeminnow	FMP	2006	**.402**	1	.	291	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.186**	1	.	272	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.169**	1	.	297	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.217**	1	.	304	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.216**	1	.	316	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.143**	1	.	340	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.195**	1	.	364	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.413**	1	.	374	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.277**	1	.	392	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.420**	1	.	415	1
Sacramento River at Bend Bridge	Sacramento Pikeminnow	FMP	2005	**.913**	1	.	442	1
Sacramento River at Bend Bridge near Red Bluff	Sacramento Pikeminnow	FMP	2006	**.383**	1	.	394	1
Sacramento River at Bend Bridge near Red Bluff	Sacramento Pikeminnow	FMP	2006	**.521**	1	.	421	1
Sacramento River at Bend Bridge near Red Bluff	Sacramento Pikeminnow	SRWP	1998	**.119**	5	.	254	1
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.080**	1	.	205	0
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.226**	1	.	274	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.307**	1	.	316	1
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.409**	1	.	324	1
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.184**	1	.	336	1
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.272**	1	.	406	1
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.613**	1	.	479	1
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.897**	1	.	511	1
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.744**	1	.	533	1
Sacramento River at Colusa	Sacramento Pikeminnow	FMP	2005	**.821**	1	.	554	1
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.084**	1	.	189	0
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.115**	1	.	256	1
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.197**	1	.	279	1
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.167**	1	.	284	1
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.259**	1	.	305	1
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.643**	1	.	484	1
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.627**	1	.	487	1
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.792**	1	.	539	1
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.960**	1	.	559	1
Sacramento River at Grimes	Sacramento Pikeminnow	FMP	2005	**.801**	1	.	572	1
Sacramento River at Hamilton	Sacramento Pikeminnow	SRWP	1998	**.216**	5	.	286	1
Sacramento River at Hamilton	Sacramento Pikeminnow	SRWP	2000	**.290**	5	.	298	1
Sacramento River at Hamilton City	Sacramento Pikeminnow	FMP	2005	**.215**	1	.	219	0
Sacramento River at Hamilton City	Sacramento Pikeminnow	FMP	2005	**.290**	1	.	286	1
Sacramento River at Hamilton City	Sacramento Pikeminnow	FMP	2005	**.157**	1	.	295	1
Sacramento River at Hamilton City	Sacramento Pikeminnow	FMP	2005	**.180**	1	.	310	1
Sacramento River at Hamilton City	Sacramento Pikeminnow	FMP	2005	**.486**	1	.	316	1
Sacramento River at Hamilton City	Sacramento Pikeminnow	FMP	2005	**.232**	1	.	340	1
Sacramento River at Hamilton City	Sacramento Pikeminnow	FMP	2005	**.294**	1	.	378	1
Sacramento River at Hamilton City	Sacramento Pikeminnow	FMP	2005	**.406**	1	.	380	1
Sacramento River at Hamilton City	Sacramento Pikeminnow	FMP	2005	**1.150**	1	.	395	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Knights Landing	Sacramento Pikeminnow	FMP	2006	**.686**	1	.	526	1
Sacramento River at Knights Landing	Sacramento Pikeminnow	FMP	2006	**1.000**	1	.	539	1
Sacramento River at Knights Landing	Sacramento Pikeminnow	FMP	2006	**.605**	1	.	544	1
Sacramento River at Knights Landing	Sacramento Pikeminnow	FMP	2006	**.744**	1	.	546	1
Sacramento River at Knights Landing	Sacramento Pikeminnow	FMP	2006	**.986**	1	.	549	1
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**.073**	1	.	215	0
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**.047**	1	.	236	0
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**.059**	1	.	292	1
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**.258**	1	.	314	1
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**.085**	1	.	349	1
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**.285**	1	.	359	1
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**.240**	1	.	361	1
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**.539**	1	.	470	1
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**.596**	1	.	491	1
Sacramento River at Ord Bend	Sacramento Pikeminnow	FMP	2005	**1.144**	1	.	511	1
Sacramento River at RM 44	Sacramento Pikeminnow	CalFed	2000	**.068**	1	.	220	0
Sacramento River at RM 44	Sacramento Pikeminnow	CalFed	2000	**.103**	1	.	236	0
Sacramento River at RM 44	Sacramento Pikeminnow	CalFed	2000	**.166**	1	.	240	0
Sacramento River at RM 44	Sacramento Pikeminnow	CalFed	2000	**.167**	1	.	273	1
Sacramento River at RM 44	Sacramento Pikeminnow	CalFed	2000	**.096**	1	.	292	1
Sacramento River at RM 44	Sacramento Pikeminnow	FMP	2005	**.226**	1	.	340	1
Sacramento River at RM 44	Sacramento Pikeminnow	FMP	2005	**.279**	1	.	372	1
Sacramento River at RM 44	Sacramento Pikeminnow	FMP	2005	**.412**	1	.	401	1
Sacramento River at RM 44	Sacramento Pikeminnow	FMP	2005	**.526**	1	.	415	1
Sacramento River at RM 44	Sacramento Pikeminnow	FMP	2005	**.483**	1	.	459	1
Sacramento River at RM 44	Sacramento Pikeminnow	FMP	2005	**1.100**	1	.	560	1
Sacramento River at RM 44	Sacramento Pikeminnow	FMP	2005	**1.323**	1	.	638	1
Sacramento River at RM 44	Sacramento Pikeminnow	SRWP	2000	**.115**	5	.	252	1
Sacramento River at RM 44	Sacramento Pikeminnow	SRWP	2001	**.179**	5	.	271	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Pikeminnow	FMP	2006	**.091**	1	.	238	0
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Pikeminnow	FMP	2006	**.112**	1	.	271	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Pikeminnow	FMP	2006	**.077**	1	.	281	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Pikeminnow	FMP	2006	**.078**	1	.	283	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Pikeminnow	FMP	2006	**.119**	1	.	330	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**.168**	1	.	236	0
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**.230**	1	.	237	0
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**.213**	1	.	249	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**.301**	1	.	271	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**.385**	1	.	305	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**.237**	1	.	365	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**.254**	1	.	457	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**1.131**	1	.	473	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**1.542**	1	.	480	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**1.712**	1	.	496	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	FMP	2005	**1.615**	1	.	503	1
Sacramento River at Veterans Bridge	Sacramento Pikeminnow	SRWP	2000	**.251**	4	.	266	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**.207**	1	.	249	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**.275**	1	.	249	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**.279**	1	.	266	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**.086**	1	.	291	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**.267**	1	.	308	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**1.264**	1	.	405	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**1.003**	1	.	432	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**.772**	1	.	449	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**1.003**	1	.	466	1
Sacramento River at Woodson Bridge	Sacramento Pikeminnow	FMP	2005	**.544**	1	.	484	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River near Deschutes Rd	Sacramento Pikeminnow	FMP	2006	**.218**	1	.	369	1
Sacramento River near Deschutes Rd	Sacramento Pikeminnow	FMP	2006	**.224**	1	.	381	1
Sacramento River near Deschutes Rd	Sacramento Pikeminnow	FMP	2006	**.658**	1	.	393	1
Sacramento River near Deschutes Rd	Sacramento Pikeminnow	FMP	2006	**.545**	1	.	394	1
Sacramento River near Deschutes Rd	Sacramento Pikeminnow	FMP	2006	**.330**	1	.	423	1
Sacramento River near Hamilton	Sacramento Pikeminnow	FMP	2006	**.221**	1	.	365	1
Sacramento River near Hamilton	Sacramento Pikeminnow	FMP	2006	**.301**	1	.	375	1
Sacramento River near Hamilton	Sacramento Pikeminnow	FMP	2006	**.418**	1	.	394	1
Sacramento River near Hamilton	Sacramento Pikeminnow	FMP	2006	**.304**	1	.	410	1
Sacramento River near Hamilton	Sacramento Pikeminnow	FMP	2006	**.334**	1	.	454	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**.273**	1	.	297	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**.145**	1	.	303	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**1.210**	1	.	400	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**.670**	1	.	405	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**2.039**	1	.	435	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**1.521**	1	.	465	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**.798**	1	.	495	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**1.442**	1	.	510	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**1.045**	1	.	538	1
Sacramento River near Isleton	Sacramento Pikeminnow	CalFed	2000	**.830**	1	.	605	1
Sacramento River near Verona	Sacramento Pikeminnow	FMP	2006	**.224**	1	.	267	1
Sacramento River near Verona	Sacramento Pikeminnow	FMP	2006	**.332**	1	.	269	1
Sacramento River near Verona	Sacramento Pikeminnow	FMP	2006	**.280**	1	.	291	1
Sacramento River near Verona	Sacramento Pikeminnow	FMP	2006	**.268**	1	.	294	1
Sacramento River near Verona	Sacramento Pikeminnow	FMP	2006	**.273**	1	.	301	1
Sacramento River near Verona	Sacramento Pikeminnow	FMP	2006	**.486**	1	.	334	1
Sacramento River near Verona	Sacramento Pikeminnow	FMP	2006	**.529**	1	.	360	1
Sacramento River near Verona	Sacramento Pikeminnow	FMP	2006	**.394**	1	.	389	1
Sacramento River near Verona	Sacramento Pikeminnow	FMP	2006	**.707**	1	.	511	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River/Colusa	Sacramento Pikeminnow	SRWP	2000	**.148**	5	.	275	1
Sacramento River/Colusa	Sacramento Pikeminnow	SRWP	1998	**.301**	5	.	278	1
Sacramento River/Colusa	Sacramento Pikeminnow	TSMP	2002	**.505**	5	248	273	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**.070**	1	.	255	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**.216**	1	.	259	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**.198**	1	.	336	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**.276**	1	.	354	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**.405**	1	.	510	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**.858**	1	.	513	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**.861**	1	.	534	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**.649**	1	.	570	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**1.012**	1	.	572	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	FMP	2005	**.724**	1	.	575	1
Sacramento River/Rio Vista	Sacramento Pikeminnow	TSMP	1987	**.340**	6	349	384	1
Steamboat Slough	Sacramento Pikeminnow	FMP	2006	**.368**	1	.	205	0
Steamboat Slough	Sacramento Pikeminnow	FMP	2006	**.372**	1	.	221	0
Steamboat Slough	Sacramento Pikeminnow	FMP	2006	**.512**	1	.	228	0
Steamboat Slough	Sacramento Pikeminnow	FMP	2006	**.227**	1	.	229	0
Steamboat Slough	Sacramento Pikeminnow	FMP	2006	**.736**	1	.	275	1
Cache Slough near Ryer Island Ferry	Sacramento Sucker	SRWP	2000	**.107**	5	.	394	1
Colusa Drain/Knights Landing	Sacramento Sucker	TSMP	1981	**.070**	1	248	273	1
Cross Canal	Sacramento Sucker	FMP	2006	**.094**	1	.	264	1
Cross Canal	Sacramento Sucker	FMP	2006	**.131**	1	.	295	1
Cross Canal	Sacramento Sucker	FMP	2006	**.165**	1	.	333	1
Cross Canal	Sacramento Sucker	FMP	2006	**.258**	1	.	407	1
Cross Canal	Sacramento Sucker	FMP	2006	**.358**	1	.	461	1
Georgiana Slough	Sacramento Sucker	FMP	2006	**.174**	1	.	412	1
Georgiana Slough	Sacramento Sucker	FMP	2006	**.366**	1	.	418	1
Georgiana Slough	Sacramento Sucker	FMP	2006	**.328**	1	.	473	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Georgiana Slough	Sacramento Sucker	FMP	2006	**.562**	1	.	506	1
Prospect Slough/Liberty Island	Sacramento Sucker	FMP	2005	**.130**	1	.	292	1
Prospect Slough/Liberty Island	Sacramento Sucker	FMP	2005	**.150**	1	.	315	1
Prospect Slough/Liberty Island	Sacramento Sucker	FMP	2005	**.083**	1	.	402	1
Prospect Slough/Liberty Island	Sacramento Sucker	FMP	2005	**.313**	1	.	425	1
Prospect Slough/Liberty Island	Sacramento Sucker	FMP	2005	**.259**	1	.	438	1
Prospect Slough/Liberty Island	Sacramento Sucker	FMP	2005	**.390**	1	.	445	1
Prospect Slough/Liberty Island	Sacramento Sucker	FMP	2005	**.491**	1	.	462	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Sucker	FMP	2006	**.262**	1	.	373	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Sucker	FMP	2006	**.148**	1	.	379	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Sucker	FMP	2006	**.328**	1	.	406	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Sucker	FMP	2006	**.352**	1	.	434	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Sacramento Sucker	FMP	2006	**.478**	1	.	502	1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.042**	1	.	279	1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.025**	1	.	301	1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.057**	1	.	319	1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.028**	1	.	336	1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.040**	1	.	348	1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.051**	1	.	385	1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.100**	1	.	413	1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.035**	1	.	420	1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.064**	1	.	420	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Bend Bridge	Sacramento Sucker	FMP	2005	**.088**	1	.	465	1
Sacramento River at Bend Bridge near Red Bluff	Sacramento Sucker	FMP	2006	**.032**	1	.	371	1
Sacramento River at Bend Bridge near Red Bluff	Sacramento Sucker	FMP	2006	**.083**	1	.	436	1
Sacramento River at Bend Bridge near Red Bluff	Sacramento Sucker	FMP	2006	**.117**	1	.	454	1
Sacramento River at Bend Bridge near Red Bluff	Sacramento Sucker	FMP	2006	**.054**	1	.	476	1
Sacramento River at Bend Bridge near Red Bluff	Sacramento Sucker	FMP	2006	**.116**	1	.	486	1
Sacramento River at Bend Bridge near Red Bluff	Sacramento Sucker	SRWP	2000	**.103**	5	.	457	1
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.055**	1	.	174	0
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.080**	1	.	196	0
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.083**	1	.	199	1
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.098**	1	.	230	1
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.036**	1	.	254	1
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.219**	1	.	420	1
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.231**	1	.	462	1
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.597**	1	.	481	1
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.394**	1	.	489	1
Sacramento River at Butte City	Sacramento Sucker	FMP	2005	**.323**	1	.	504	1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.053**	1	.	263	1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.050**	1	.	282	1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.053**	1	.	286	1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.039**	1	.	292	1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.045**	1	.	312	1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.088**	1	.	376	1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.063**	1	.	389	1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.047**	1	.	411	1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.078**	1	.	411	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Colusa	Sacramento Sucker	FMP	2005	**.187**	1	.	430	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.045**	1	.	251	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.039**	1	.	264	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.078**	1	.	271	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.034**	1	.	272	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.069**	1	.	356	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.075**	1	.	386	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.132**	1	.	412	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.286**	1	.	419	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.272**	1	.	444	1
Sacramento River at Grimes	Sacramento Sucker	FMP	2005	**.288**	1	.	496	1
Sacramento River at Hamilton	Sacramento Sucker	SRWP	2000	**.002**	5	.	316	1
Sacramento River at Hamilton	Sacramento Sucker	SRWP	1998	**.030**	5	.	322	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.012**	1	.	214	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.016**	1	.	225	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.030**	1	.	304	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.017**	1	.	315	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.020**	1	.	325	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.034**	1	.	344	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.067**	1	.	363	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.073**	1	.	454	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.147**	1	.	496	1
Sacramento River at Hamilton City	Sacramento Sucker	FMP	2005	**.126**	1	.	515	1
Sacramento River at Knights Landing	Sacramento Sucker	FMP	2006	**.079**	1	.	338	1
Sacramento River at Knights Landing	Sacramento Sucker	FMP	2006	**.198**	1	.	402	1
Sacramento River at Knights Landing	Sacramento Sucker	FMP	2006	**.273**	1	.	416	1
Sacramento River at Knights Landing	Sacramento Sucker	FMP	2006	**.253**	1	.	421	1
Sacramento River at Knights Landing	Sacramento Sucker	FMP	2006	**.126**	1	.	436	1
Sacramento River at Knights Landing	Sacramento Sucker	TSMP	2002	**.194**	5	403	443	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.027**	1	.	151	0
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.019**	1	.	200	1
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.032**	1	.	293	1
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.027**	1	.	331	1
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.058**	1	.	333	1
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.109**	1	.	459	1
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.158**	1	.	464	1
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.164**	1	.	487	1
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.407**	1	.	505	1
Sacramento River at Ord Bend	Sacramento Sucker	FMP	2005	**.330**	1	.	569	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.046**	1	.	329	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.191**	1	.	416	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.112**	1	.	419	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.120**	1	.	432	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.122**	1	.	441	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.252**	1	.	459	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.274**	1	.	484	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.323**	1	.	499	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.167**	1	.	502	1
Sacramento River at RM 44	Sacramento Sucker	FMP	2005	**.451**	1	.	574	1
Sacramento River at RM 44	Sacramento Sucker	SRWP	2003	**.125**	5	.	443	1
Sacramento River at RM 44	Sacramento Sucker	SRWP	2000	**.221**	5	.	452	1
Sacramento River at RM 44	Sacramento Sucker	SRWP	2003	**.233**	5	.	490	1
Sacramento River at RM 44	Sacramento Sucker	SRWP	2002	**.209**	5	.	493	1
Sacramento River at RM 44	Sacramento Sucker	SRWP	2002	**.209**	5	.	493	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Sucker	FMP	2006	**.251**	1	.	402	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Sucker	FMP	2006	**.173**	1	.	415	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Sucker	FMP	2006	**.233**	1	.	436	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Sucker	FMP	2006	**.323**	1	.	442	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Sacramento Sucker	FMP	2006	**.198**	1	.	443	1
Sacramento River at Veterans Bridge	Sacramento Sucker	FMP	2005	**.128**	1	.	242	1
Sacramento River at Veterans Bridge	Sacramento Sucker	FMP	2005	**.085**	1	.	286	1
Sacramento River at Veterans Bridge	Sacramento Sucker	FMP	2005	**.154**	1	.	383	1
Sacramento River at Veterans Bridge	Sacramento Sucker	FMP	2005	**.213**	1	.	395	1
Sacramento River at Veterans Bridge	Sacramento Sucker	FMP	2005	**.114**	1	.	402	1
Sacramento River at Veterans Bridge	Sacramento Sucker	FMP	2005	**.229**	1	.	409	1
Sacramento River at Veterans Bridge	Sacramento Sucker	FMP	2005	**.138**	1	.	410	1
Sacramento River at Veterans Bridge	Sacramento Sucker	FMP	2005	**.312**	1	.	430	1
Sacramento River at Veterans Bridge	Sacramento Sucker	SRWP	1999	**.098**	5	.	318	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.032**	1	.	277	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.048**	1	.	286	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.022**	1	.	294	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.023**	1	.	326	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.021**	1	.	331	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.045**	1	.	396	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.520**	1	.	447	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.064**	1	.	465	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.250**	1	.	479	1
Sacramento River at Woodson Bridge	Sacramento Sucker	FMP	2005	**.355**	1	.	481	1
Sacramento River near Deschutes Rd	Sacramento Sucker	FMP	2006	**.198**	1	.	467	1
Sacramento River near Deschutes Rd	Sacramento Sucker	FMP	2006	**.067**	1	.	474	1
Sacramento River near Deschutes Rd	Sacramento Sucker	FMP	2006	**.118**	1	.	476	1
Sacramento River near Deschutes Rd	Sacramento Sucker	FMP	2006	**.129**	1	.	486	1
Sacramento River near Deschutes Rd	Sacramento Sucker	FMP	2006	**.158**	1	.	514	1
Sacramento River near Hamilton	Sacramento Sucker	FMP	2006	**.047**	1	.	373	1
Sacramento River near Hamilton	Sacramento Sucker	FMP	2006	**.059**	1	.	390	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River near Hamilton	Sacramento Sucker	FMP	2006	**.073**	1	.	396	1
Sacramento River near Hamilton	Sacramento Sucker	FMP	2006	**.097**	1	.	414	1
Sacramento River near Hamilton	Sacramento Sucker	FMP	2006	**.266**	1	.	480	1
Sacramento River near Isleton	Sacramento Sucker	CalFed	2000	**.261**	5	.	460	1
Sacramento River near Isleton	Sacramento Sucker	CalFed	2000	**.222**	5	.	468	1
Sacramento River near Verona	Sacramento Sucker	FMP	2006	**.225**	1	.	350	1
Sacramento River near Verona	Sacramento Sucker	FMP	2006	**.153**	1	.	371	1
Sacramento River near Verona	Sacramento Sucker	FMP	2006	**.300**	1	.	389	1
Sacramento River near Verona	Sacramento Sucker	FMP	2006	**.271**	1	.	394	1
Sacramento River near Verona	Sacramento Sucker	FMP	2006	**.208**	1	.	410	1
Sacramento River/Colusa	Sacramento Sucker	SRWP	2000	**.059**	5	.	290	1
Sacramento River/Colusa	Sacramento Sucker	TSMP	2002	**.076**	6	281	309	1
Sacramento River/Keswick	Sacramento Sucker	TSMP	1987	**.020**	5	336	370	1
Sacramento River/Keswick	Sacramento Sucker	TSMP	1982	**.030**	2	336	370	1
Sacramento River/Rio Vista	Sacramento Sucker	FMP	2005	**.151**	1	.	414	1
Sacramento River/Rio Vista	Sacramento Sucker	FMP	2005	**.131**	1	.	475	1
Sacramento River/Rio Vista	Sacramento Sucker	FMP	2005	**.425**	1	.	479	1
Sacramento River/Rio Vista	Sacramento Sucker	FMP	2005	**.362**	1	.	495	1
Sacramento River/Rio Vista	Sacramento Sucker	FMP	2005	**.555**	1	.	518	1
Sacramento River/Rio Vista	Sacramento Sucker	TSMP	1987	**.100**	7	387	426	1
Snodgrass Slough near Delta Meadows	Sacramento Sucker	FMP	2006	**.182**	1	.	274	1
Snodgrass Slough near Delta Meadows	Sacramento Sucker	FMP	2006	**.228**	1	.	309	1
Snodgrass Slough near Delta Meadows	Sacramento Sucker	FMP	2006	**.210**	1	.	370	1
Snodgrass Slough near Delta Meadows	Sacramento Sucker	FMP	2006	**.360**	1	.	389	1
Snodgrass Slough near Delta Meadows	Sacramento Sucker	FMP	2006	**.465**	1	.	570	1
Steamboat Slough	Sacramento Sucker	FMP	2006	**.228**	1	.	395	1
Steamboat Slough	Sacramento Sucker	FMP	2006	**.249**	1	.	450	1
Steamboat Slough	Sacramento Sucker	FMP	2006	**.408**	1	.	463	1
Steamboat Slough	Sacramento Sucker	FMP	2006	**.425**	1	.	471	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Steamboat Slough	Sacramento Sucker	FMP	2006	**.517**	1	.	471	1
Sacramento River at RM 44	Smallmouth Bass	FMP	2005	**.323**	1	.	251	0
Sacramento River at RM 44	Smallmouth Bass	FMP	2005	**1.408**	1	.	407	1
Sacramento River at RM 44	Smallmouth Bass	FMP	2005	**1.161**	1	.	439	1
Sacramento River at RM 44	Smallmouth Bass	FMP	2005	**1.093**	1	.	479	1
Sacramento River at RM 44	Smallmouth Bass	SRWP	2001	**.568**	5	.	338	1
Sacramento River/Hood	Smallmouth Bass	TSMP	2001	**.948**	5	344	361	1
Sacramento River/Rio Vista	Smallmouth Bass	FMP	2005	**.284**	1	.	281	0
Georgiana Slough	Spotted Bass	FMP	2006	**.240**	1	.	217	0
Georgiana Slough	Spotted Bass	FMP	2006	**.204**	1	.	222	0
Georgiana Slough	Spotted Bass	FMP	2006	**.253**	1	.	228	0
Georgiana Slough	Spotted Bass	FMP	2006	**.296**	1	.	234	0
Georgiana Slough	Spotted Bass	FMP	2006	**.390**	1	.	248	0
Georgiana Slough	Spotted Bass	FMP	2006	**.435**	1	.	271	0
Georgiana Slough	Spotted Bass	FMP	2006	**.441**	1	.	276	0
Georgiana Slough	Spotted Bass	FMP	2006	**.468**	1	.	292	0
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Spotted Bass	FMP	2006	**.390**	1	.	267	0
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Spotted Bass	FMP	2006	**.447**	1	.	268	0
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Spotted Bass	FMP	2006	**.397**	1	.	274	0
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Spotted Bass	FMP	2006	**.557**	1	.	284	0
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Spotted Bass	FMP	2006	**.555**	1	.	305	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Spotted Bass	FMP	2006	**.701**	1	.	316	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Spotted Bass	FMP	2006	**.505**	1	.	331	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Spotted Bass	FMP	2006	**.559**	1	.	331	1
Sacramento River - West Sacramento at Rivermile 59 - Between Discovery Park and Miller Park	Spotted Bass	FMP	2006	**.471**	1	.	351	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.249**	1	.	269	0
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.264**	1	.	295	0
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.487**	1	.	305	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.474**	1	.	315	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.366**	1	.	341	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.570**	1	.	346	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.601**	1	.	351	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.458**	1	.	359	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.596**	1	.	361	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.431**	1	.	384	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.927**	1	.	409	1
Sacramento River at RM 44	Spotted Bass	FMP	2005	**.991**	1	.	421	1
Sacramento River near Verona	Spotted Bass	FMP	2006	**.317**	1	.	239	0
Sacramento River near Verona	Spotted Bass	FMP	2006	**.617**	1	.	260	0
Sacramento River near Verona	Spotted Bass	FMP	2006	**.498**	1	.	290	0
Sacramento River near Verona	Spotted Bass	FMP	2006	**.311**	1	.	298	0
Sacramento River at Grimes	Steelhead Trout	FMP	2005	**.075**	1	.	602	1
Sacramento River at Hamilton City	Steelhead Trout	FMP	2005	**.097**	1	.	630	1
Sacramento River at RM 44	Steelhead Trout	FMP	2005	**.060**	1	.	449	1
Sacramento River at RM 44	Steelhead Trout	FMP	2005	**.049**	1	.	584	1
Cache Slough at Miner Slough	Striped Bass	FMP	2006	**.284**	1	.	321	0
Cache Slough at Miner Slough	Striped Bass	FMP	2006	**.098**	1	.	327	0
Cache Slough at Miner Slough	Striped Bass	FMP	2006	**.286**	1	.	404	0
Cache Slough at Miner Slough	Striped Bass	FMP	2006	**.228**	1	.	661	1
Cache Slough2	Striped Bass	FMP	2006	**.219**	1	.	600	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Fremont Weir	Striped Bass	FMP	2006	**.142**	1	.	342	0
Fremont Weir	Striped Bass	FMP	2006	**.353**	1	.	424	0
Fremont Weir	Striped Bass	FMP	2006	**.389**	1	.	450	0
Fremont Weir	Striped Bass	FMP	2006	**.571**	1	.	469	1
Fremont Weir	Striped Bass	FMP	2006	**.228**	1	.	488	1
Fremont Weir	Striped Bass	FMP	2006	**.362**	1	.	527	1
Fremont Weir	Striped Bass	FMP	2006	**.402**	1	.	573	1
Fremont Weir	Striped Bass	FMP	2006	**.397**	1	.	576	1
Fremont Weir	Striped Bass	FMP	2006	**.418**	1	.	606	1
Fremont Weir	Striped Bass	FMP	2006	**.457**	1	.	613	1
Fremont Weir	Striped Bass	FMP	2006	**.438**	1	.	629	1
Fremont Weir	Striped Bass	FMP	2006	**.308**	1	.	669	1
Fremont Weir	Striped Bass	FMP	2006	**.324**	1	.	677	1
Fremont Weir	Striped Bass	FMP	2006	**.236**	1	.	678	1
Fremont Weir	Striped Bass	FMP	2006	**.452**	1	.	690	1
Fremont Weir	Striped Bass	FMP	2006	**.341**	1	.	704	1
Fremont Weir	Striped Bass	FMP	2006	**.367**	1	.	713	1
Fremont Weir	Striped Bass	FMP	2006	**.399**	1	.	728	1
Fremont Weir	Striped Bass	FMP	2006	**.333**	1	.	746	1
Fremont Weir	Striped Bass	FMP	2006	**.399**	1	.	749	1
Fremont Weir	Striped Bass	FMP	2006	**.259**	1	.	751	1
Fremont Weir	Striped Bass	FMP	2006	**.364**	1	.	802	1
Fremont Weir	Striped Bass	FMP	2006	**.362**	1	.	884	1
Fremont Weir	Striped Bass	FMP	2006	**.463**	1	.	894	1
Fremont Weir	Striped Bass	FMP	2006	**.369**	1	.	921	1
Fremont Weir	Striped Bass	FMP	2006	**.467**	1	.	985	1
Fremont Weir	Striped Bass	FMP	2006	**.448**	1	.	1014	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.426**	1	.	343	0
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.339**	1	.	356	0
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.289**	1	.	399	0
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.265**	1	.	458	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.493**	1	.	465	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.296**	1	.	470	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.213**	1	.	479	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.314**	1	.	483	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.660**	1	.	495	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.257**	1	.	526	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.172**	1	.	535	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.157**	1	.	550	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.258**	1	.	550	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.182**	1	.	575	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2006	**.385**	1	.	750	1
Prospect Slough/Liberty Island	Striped Bass	FMP	2005	**.208**	1	.	252	0

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Prospect Slough/Liberty Island	Striped Bass	FMP	2005	**.205**	1	.	283	0
Prospect Slough/Liberty Island	Striped Bass	FMP	2005	**.311**	1	.	291	0
Prospect Slough/Liberty Island	Striped Bass	FMP	2005	**.300**	1	.	376	0
Prospect Slough/Liberty Island	Striped Bass	FMP	2005	**.497**	1	.	494	1
Rio Vista Fish Derby1	Striped Bass	FMP	2006	**.252**	1	.	595	1
Rio Vista Fish Derby2	Striped Bass	FMP	2006	**.337**	1	.	742	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.274**	1	.	308	0
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.344**	1	.	376	0
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.423**	1	.	449	0
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.132**	1	.	458	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.175**	1	.	469	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.464**	1	.	469	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.420**	1	.	487	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.476**	1	.	496	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.343**	1	.	504	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.622**	1	.	528	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.433**	1	.	540	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.717**	1	.	591	1
Sacramento River at Knights Landing	Striped Bass	FMP	2006	**.585**	1	.	851	1
Sacramento River at RM 44	Striped Bass	FMP	2005	**.194**	1	.	269	0
Sacramento River at RM 44	Striped Bass	FMP	2005	**.600**	1	.	401	0
Sacramento River at RM 44	Striped Bass	FMP	2005	**.454**	1	.	503	1
Sacramento River at RM 44	Striped Bass	FMP	2005	**.266**	1	.	661	1
Sacramento River at RM 44	Striped Bass	SRWP	2000	**.343**	1	.	450	0
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Striped Bass	FMP	2006	**.538**	1	.	440	0
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Striped Bass	FMP	2006	**.717**	1	.	592	1
Sacramento River at Tisdale Boat Ramp AKA River Bend Marina	Striped Bass	FMP	2006	**.321**	1	.	685	1
Sacramento River near Hamilton	Striped Bass	FMP	2006	**.224**	1	.	370	0
Sacramento River near Hamilton	Striped Bass	FMP	2006	**.338**	1	.	418	0

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River near Hamilton	Striped Bass	FMP	2006	**.559**	1	.	674	1
Sacramento River/Colusa	Striped Bass	SRWP	2000	**.303**	1	.	451	0
Toe Drain	Striped Bass	FMP	2006	**.486**	1	.	558	1
Toe Drain	Striped Bass	FMP	2006	**.412**	1	.	569	1
Toe Drain	Striped Bass	FMP	2006	**.265**	1	.	680	1
Prospect Slough/Liberty Island	Tule Perch	FMP	2005	**.196**	1	.	130	1
Prospect Slough/Liberty Island	Tule Perch	FMP	2005	**.196**	1	.	130	1
Prospect Slough/Liberty Island	Tule Perch	FMP	2005	**.204**	1	.	135	1
Prospect Slough/Liberty Island	Tule Perch	FMP	2005	**.180**	1	.	140	1
Prospect Slough/Liberty Island	Tule Perch	FMP	2005	**.209**	1	.	146	1
Prospect Slough/Liberty Island	Tule Perch	FMP	2005	**.307**	1	.	158	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.255**	1	.	228	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.135**	1	.	254	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.435**	1	.	258	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.534**	1	.	259	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.397**	1	.	265	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	1999	**.602**	1	.	270	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	1997	**.415**	5	.	271	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	1999	**.680**	1	.	274	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.523**	1	.	275	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.210**	1	.	276	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	1997	**.552**	5	.	279	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	1999	**.497**	1	.	280	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	1999	**.513**	1	.	285	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.490**	1	.	290	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.452**	1	.	305	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.478**	1	.	323	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.615**	1	.	325	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**.372**	1	.	328	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	1999	**.833**	1	.	330	1
Cache Slough near Ryer Island Ferry	White Catfish	SRWP	2000	**1.004**	1	.	385	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Colusa Basin Drain	White Catfish	SRWP	2000	**.211**	5	.	259	1
Colusa Basin Drain	White Catfish	SRWP	1997	**.304**	5	.	288	1
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.117**	1	.	155	0
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.109**	1	.	160	0
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.118**	1	.	160	0
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.138**	1	.	170	0
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.121**	1	.	175	0
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.120**	1	.	180	0
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.197**	1	.	182	0
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.100**	1	.	190	0
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.131**	1	.	193	0
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.174**	1	.	212	1
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.160**	1	.	229	1
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.157**	1	.	230	1
Colusa Drain/Knights Landing	White Catfish	FMP	2005	**.197**	1	.	260	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.724**	1	.	193	0
Little Holland Tract 2	White Catfish	CalFed	2000	**.527**	1	.	218	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.514**	1	.	227	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.369**	1	.	228	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.452**	1	.	228	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.572**	1	.	253	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.539**	1	.	256	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.649**	1	.	262	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.330**	1	.	270	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.754**	1	.	281	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.376**	1	.	284	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.430**	1	.	285	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.344**	1	.	302	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.682**	1	.	315	1
Little Holland Tract 2	White Catfish	CalFed	2000	**.334**	1	.	328	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.207**	1	.	199	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.396**	1	.	212	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.297**	1	.	215	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.546**	1	.	220	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.287**	1	.	270	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.294**	1	.	273	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.260**	1	.	290	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.395**	1	.	300	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.472**	1	.	308	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.279**	1	.	315	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.393**	1	.	325	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.230**	1	.	330	1
Prospect Slough/Liberty Island	White Catfish	FMP	2005	**.196**	1	.	334	1
Reclamation Slough	White Catfish	TSMP	1982	**.210**	6	213	234	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.236**	1	.	207	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.223**	1	.	227	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.204**	1	.	233	1
Sacramento River at RM 44	White Catfish	SRWP	1998	**.258**	5	.	250	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.197**	1	.	250	1
Sacramento River at RM 44	White Catfish	SRWP	1998	**.390**	5	.	256	1
Sacramento River at RM 44	White Catfish	SRWP	1998	**.285**	5	.	258	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.185**	1	.	259	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.327**	1	.	259	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.238**	1	.	261	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.238**	1	.	265	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.536**	1	.	265	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**1.140**	1	.	265	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.155**	1	.	270	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.237**	1	.	275	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.563**	1	.	277	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.515**	1	.	281	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.448**	1	.	283	1
Sacramento River at RM 44	White Catfish	SRWP	1998	**.518**	5	.	286	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.673**	1	.	286	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.387**	7	.	288	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.256**	1	.	290	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.246**	1	.	294	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.375**	1	.	295	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.286**	1	.	296	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.271**	1	.	305	1
Sacramento River at RM 44	White Catfish	SRWP	1999	**.426**	1	.	309	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**1.035**	1	.	314	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.562**	1	.	317	1
Sacramento River at RM 44	White Catfish	SRWP	2000	**.718**	1	.	345	1
Sacramento River at Veterans Bridge	White Catfish	SRWP	1998	**.553**	5	.	249	1
Sacramento River at Veterans Bridge	White Catfish	SRWP	2000	**.215**	5	.	264	1
Sacramento River near Isleton	White Catfish	CalFed	2000	**.411**	1	.	295	1
Sacramento River near Isleton	White Catfish	CalFed	2000	**.645**	1	.	328	1
Sacramento River near Verona	White Catfish	FMP	2006	**.235**	1	.	292	1
Sacramento River near Verona	White Catfish	FMP	2006	**.693**	1	.	587	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.250**	1	195	215	1
Sacramento River/Hood	White Catfish	TSMP	1991	**.140**	1	227	250	1
Sacramento River/Hood	White Catfish	TSMP	1981	**.340**	6	235	259	1
Sacramento River/Hood	White Catfish	TSMP	1980	**.440**	6	244	269	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.350**	1	246	271	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.280**	1	256	282	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.260**	1	262	288	1
Sacramento River/Hood	White Catfish	TSMP	1991	**.430**	1	263	289	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.410**	1	265	292	1
Sacramento River/Hood	White Catfish	TSMP	1993	**.250**	6	267	294	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.300**	1	271	298	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.300**	1	271	298	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.300**	1	272	299	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.310**	1	272	299	1
Sacramento River/Hood	White Catfish	TSMP	1992	**.290**	1	273	300	1
Sacramento River/Hood	White Catfish	TSMP	1985	**.450**	10	275	303	1
Sacramento River/Hood	White Catfish	TSMP	1978	**.830**	6	276	304	1
Sacramento River/Hood	White Catfish	TSMP	1979	**.760**	6	278	306	1
Sacramento River/Hood	White Catfish	TSMP	1998	**.476**	6	282	310	1
Sacramento River/Hood	White Catfish	TSMP	1986	**.420**	8	287	316	1
Sacramento River/Hood	White Catfish	TSMP	1991	**.300**	1	289	318	1
Sacramento River/Hood	White Catfish	TSMP	1986	**.410**	7	290	319	1
Sacramento River/Hood	White Catfish	TSMP	1982	**.670**	6	294	323	1
Sacramento River/Hood	White Catfish	TSMP	1983	**.580**	5	296	326	1
Sacramento River/Hood	White Catfish	TSMP	1983	**.940**	6	296	326	1
Sacramento River/Hood	White Catfish	TSMP	1991	**.540**	1	305	336	1
Sacramento River/Hood	White Catfish	TSMP	1984	**.590**	6	316	348	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.416**	1	.	256	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.220**	1	.	275	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.441**	1	.	280	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.349**	1	.	285	1

Sampling Site	Species	Study	Year	**Mercury (ppm wet wt)**	Number	Fork Length (mm)	Total Length (mm)	Legal or Edible Size = 1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.134**	1	.	293	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.159**	1	.	296	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.242**	1	.	300	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.340**	1	.	303	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.225**	1	.	311	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.145**	1	.	315	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.232**	1	.	331	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.323**	1	.	335	1
Sacramento River/Rio Vista	White Catfish	FMP	2005	**.141**	1	.	395	1
Sacramento Slough	White Catfish	SRWP	2000	**.441**	5	.	262	1
Sacramento Slough	White Catfish	SRWP	1999	**.639**	5	.	263	1
Sacramento Slough	White Catfish	SRWP	1997	**.438**	5	.	274	1
Snodgrass Slough near Delta Meadows	White Catfish	FMP	2006	**.134**	1	.	298	1
Snodgrass Slough near Delta Meadows	White Catfish	FMP	2006	**.198**	1	.	306	1
Snodgrass Slough near Delta Meadows	White Catfish	FMP	2006	**.173**	1	.	347	1
Snodgrass Slough near Delta Meadows	White Catfish	FMP	2006	**.309**	1	.	348	1
Snodgrass Slough near Delta Meadows	White Catfish	FMP	2006	**.258**	1	.	370	1
Sutter Bypass	White Catfish	TSMP	1982	**.410**	1	437	481	1
Toe Drain	White Catfish	FMP	2006	**.493**	1	.	263	1
Toe Drain	White Catfish	FMP	2006	**.506**	1	.	268	1
Toe Drain	White Catfish	FMP	2006	**.608**	1	.	276	1
Toe Drain	White Catfish	FMP	2006	**.507**	1	.	304	1
Toe Drain	White Catfish	FMP	2006	**.632**	1	.	304	1
Toe Drain	White Catfish	FMP	2006	**.452**	1	.	314	1
Toe Drain	White Catfish	FMP	2006	**.549**	1	.	324	1
Toe Drain	White Catfish	FMP	2006	**.446**	1	.	334	1
Toe Drain	White Catfish	FMP	2006	**.531**	1	.	339	1
Sacramento River at Channel Marker 33	White Sturgeon	FMP	2006	**.202**	1	.	1324	1
Sacramento River at Channel Marker 33	White Sturgeon	FMP	2006	**.226**	1	.	1840	1

Appendix VI: Comparisons of Mercury in Fish from Northern Delta Subareas including the Central Delta Subarea in White Catfish, Largemouth Bass, Sacramento Pikeminnow, and Sacramento Sucker

White catfish

White catfish ALL SIZES Mean Mercury (ppm) and Length (mm) by Species and Delta Subarea

		Mercury Wet Wgt ppm				Length mm Type=Total					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
White Catfish	Delta Central Delta Subarea	.081	.006	.167	.033	305	231	390	42	26	31
	Delta Sac R Subarea	.445	.134	1.140	.204	296	207	395	30	77	170
	Delta Yolo South Subarea	.468	.135	1.004	.157	280	193	385	38	57	65
	Total	.408	.006	1.140	.217	293	193	395	34	160	266

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.180[a]	.032	.025	.71294	.032	4.391	2	263	.013
2	.794[b]	.630	.625	.44239	.598	211.020	2	261	.000
3	.809[c]	.654	.645	.43038	.024	5.925	3	258	.001

a. Predictors: (Constant), lngth_sq, Length mm Type=Total

b. Predictors: (Constant), lngth_sq, Length mm Type=Total, DeltaSacR_1, DeltaYoloSo_1

c. Predictors: (Constant), lngth_sq, Length mm Type=Total, DeltaSacR_1, DeltaYoloSo_1, lngthSq_X_DelYoloSo, lngthSq_X_DelSacR, lngthXDel_YoloSo

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-7.421	2.138		-3.471	.001	-11.631	-3.211
	Length mm Type=Total	.044	.015	2.067	2.958	.003	.015	.073
	lngth_sq	-7.4E-005	.000	-2.049	-2.932	.004	.000	.000
2	(Constant)	-5.916	1.354		-4.370	.000	-8.581	-3.251
	Length mm Type=Total	.020	.009	.933	2.097	.037	.001	.038
	lngth_sq	-2.9E-005	.000	-.792	-1.784	.076	.000	.000
	DeltaSacR_1	1.718	.088	1.145	19.470	.000	1.544	1.891
	DeltaYoloSo_1	1.876	.099	1.118	18.968	.000	1.681	2.070
3	(Constant)	-8.717	1.951		-4.467	.000	-12.559	-4.874
	Length mm Type=Total	.042	.013	1.999	3.279	.001	.017	.067
	lngth_sq	-7.1E-005	.000	-1.977	-3.363	.001	.000	.000
	DeltaSacR_1	.845	.347	.563	2.435	.016	.161	1.528
	DeltaYoloSo_1	8.684	2.833	5.178	3.065	.002	3.105	14.262
	lngthXDel_YoloSo	-.049	.020	-8.328	-2.518	.012	-.088	-.011
	lngthSq_X_DelSacR	9.12E-006	.000	.567	2.500	.013	.000	.000
	lngthSq_X_DelYoloSo	8.66E-005	.000	4.310	2.561	.011	.000	.000

a. Dependent Variable: hg_log

Largemouth bass

Largemouth bass ALL Sizes Mean mercury (ppm) and Length (mm) by Species and Delta Subarea

		Mercury Wet Wgt ppm				Length mm Type=Total					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
Largemouth Bass	Delta Central Delta Subarea	.306	.075	.951	.159	364	204	529	77	52	56
	Delta CosMo Subarea	.486	.290	.822	.173	334	289	474	60	9	9
	Delta Sac R Subarea	.640	.143	1.370	.311	351	180	475	54	103	154
	Delta Yolo South Subarea	.536	.126	1.267	.284	348	213	560	57	43	51
	Total	.546	.075	1.370	.305	353	180	560	60	207	270

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.584[a]	.341	.336	.49374	.341	68.993	2	267	.000
2	.769[b]	.592	.584	.39080	.251	54.065	3	264	.000
3	.786[c]	.617	.603	.38191	.026	3.486	5	259	.005

a. Predictors: (Constant), lngth_sq, Length mm Type=Total

b. Predictors: (Constant), lngth_sq, Length mm Type=Total, DeltaYoloSo_1, DeltaCentral_1, DeltaSacR_1

c. Predictors: (Constant), lngth_sq, Length mm Type=Total, DeltaYoloSo_1, DeltaCentral_1, DeltaSacR_1, lngthSq_X_DelCentral, lngthSq_X_DelYoloSo, lngthSq_X_DelSacR, lngthXDelCentral, lngthXDel_YoloSo

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-5.289	.664		-7.969	.000	-6.596	-3.982
	Length mm Type=Total	.021	.004	2.036	5.442	.000	.013	.028
	lngth_sq	-2.1E-005	.000	-1.501	-4.012	.000	.000	.000
2	(Constant)	-3.926	.548		-7.161	.000	-5.005	-2.846
	Length mm Type=Total	.013	.003	1.261	4.169	.000	.007	.019
	lngth_sq	-9.6E-006	.000	-.673	-2.219	.027	.000	.000
	DeltaCentral_1	-.703	.141	-.471	-4.977	.000	-.981	-.425
	DeltaSacR_1	.093	.134	.076	.694	.488	-.171	.357
	DeltaYoloSo_1	-.094	.141	-.061	-.664	.507	-.372	.184
3	(Constant)	-4.626	1.020		-4.537	.000	-6.633	-2.618
	Length mm Type=Total	.019	.005	1.882	3.644	.000	.009	.029
	lngth_sq	-2.2E-005	.000	-1.526	-2.904	.004	.000	.000
	DeltaCentral_1	2.052	1.346	1.376	1.524	.129	-.599	4.704
	DeltaSacR_1	-.281	.388	-.230	-.725	.469	-1.046	.483
	DeltaYoloSo_1	-1.409	1.531	-.912	-.920	.358	-4.424	1.606
	lngthXDelCentral	-.017	.007	-4.258	-2.348	.020	-.031	-.003
	lngthXDel_YoloSo	.003	.008	.642	.347	.729	-.013	.019
	lngthSq_X_DelCentral	2.55E-005	.000	2.586	2.491	.013	.000	.000
	lngthSq_X_DelSacR	3.21E-006	.000	.363	1.015	.311	.000	.000
	lngthSq_X_DelYoloSo	2.96E-006	.000	.255	.265	.791	.000	.000

a. Dependent Variable: hg_log

Sacramento pikeminnow

Sacramento pikeminnow ALL SIZES Mean Mercury (ppm) and Length (mm) by Species and Delta Subarea

		Mercury Wet Wgt ppm				Length mm Type=Total					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
Sacramento Pikeminnow	Delta Central Delta Subarea	.129	.129	.129	.	229	229	229	.	1	1
	Delta Sac R Subarea	.435	.061	2.039	.422	344	174	638	125	50	63
	Delta Yolo South Subarea	.273	.170	.432	.100	266	238	310	26	7	7
	Total	.415	.061	2.039	.403	335	174	638	121	58	71

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.815[a]	.664	.654	.50719	.664	67.112	2	68	.000
2	.821[b]	.674	.660	.50285	.011	2.179	1	67	.145
3	.822[c]	.675	.655	.50610	.001	.141	1	66	.709

a. Predictors: (Constant), lngth_sq, Length mm Type=Total

b. Predictors: (Constant), lngth_sq, Length mm Type=Total, DeltaSacR_1

c. Predictors: (Constant), lngth_sq, Length mm Type=Total, DeltaSacR_1, lngthXDel_SacR

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-4.085	.622		-6.563	.000	-5.327	-2.843
	Length mm Type=Total	.011	.004	1.534	3.120	.003	.004	.018
	lngth_sq	-6.72E-006	.000	-.734	-1.492	.140	.000	.000
2	(Constant)	-3.870	.634		-6.103	.000	-5.136	-2.604
	Length mm Type=Total	.011	.003	1.543	3.165	.002	.004	.018
	lngth_sq	-6.60E-006	.000	-.720	-1.476	.145	.000	.000
	DeltaSacR_1	-.285	.193	-.105	-1.476	.145	-.672	.101

a. Dependent Variable: hg_log

Sacramento sucker

Sacramento sucker ALL SIZES Mean Mercury (ppm) and Length (mm) by Species and Delta Sub-Area

		Mercury Wet Wgt ppm				Length mm Type=Total					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
Sacramento Sucker	Delta Central Delta Subarea	.287	.225	.325	.043	481	458	495	16	4	4
	Delta CosMo Subarea	.400	.281	.552	.102	450	403	481	32	5	5
	Delta Sac R Subarea	.238	.046	.562	.113	454	274	574	49	42	76
	Delta Yolo South Subarea	.196	.083	.491	.135	396	292	462	49	8	12
	Total	.243	.046	.562	.119	447	274	574	51	59	97

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.521[a]	.272	.256	.43809	.272	17.530	2	94	.000
2	.578[b]	.335	.306	.42326	.063	4.350	2	92	.016
3	.621[c]	.386	.345	.41118	.051	3.743	2	90	.027

a. Predictors: (Constant), lngth_sq, Length mm Type=Total

b. Predictors: (Constant), lngth_sq, Length mm Type=Total, DeltaSacR_1, DeltaYoloSo_1

c. Predictors: (Constant), lngth_sq, Length mm Type=Total, DeltaSacR_1, DeltaYoloSo_1, lngthSq_X_DelYoloSo, lngthSq_X_ DelSacR

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-.127	1.796		-.071	.944	-3.693	3.438
	Length mm Type=Total	-.012	.008	-1.243	-1.457	.149	-.029	.004
	lngth_sq	2.02E-005	.000	1.742	2.041	.044	.000	.000
2	(Constant)	.678	1.762		.385	.701	-2.821	4.177
	Length mm Type=Total	-.014	.008	-1.411	-1.707	.091	-.030	.002
	lngth_sq	2.19E-005	.000	1.886	2.283	.025	.000	.000
	DeltaSacR_1	-.440	.150	-.359	-2.939	.004	-.738	-.143
	DeltaYoloSo_1	-.438	.197	-.285	-2.224	.029	-.829	-.047
3	(Constant)	4.471	2.289		1.953	.054	-.076	9.019
	Length mm Type=Total	-.023	.009	-2.328	-2.638	.010	-.040	-.006
	lngth_sq	2.38E-005	.000	2.051	2.142	.035	.000	.000
	DeltaSacR_1	-2.200	1.206	-1.793	-1.825	.071	-4.595	.195
	DeltaYoloSo_1	-3.618	1.344	-2.357	-2.692	.008	-6.287	-.948
	lngthSq_X_DelSacR	8.09E-006	.000	1.499	1.457	.149	.000	.000
	lngthSq_X_DelYoloSo	1.68E-005	.000	1.791	2.529	.013	.000	.000

a. Dependent Variable: hg_log

Appendix VII. Statistical Comparison of Mean Mercury Concentrations in White Catfish, Largemouth Bass, Sacramento Pikeminnow, and Sacramento Sucker by Northern Delta Subarea

White Catfish

White catfish ALL Sizes Mean mercury (ppm) and Length (mm) by Species and Northern Delta Subarea

		Mercury_wet_wgt_µg/g				TOTAL LENGTH_mm					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
White Catfish	Delta Sac R Subarea	.445	.134	1.140	.204	296.0	207.0	395.0	29.8	77	170
	Delta Yolo South Subarea	.468	.135	1.004	.157	280.1	193.0	385.0	37.7	57	65
	Total	.451	.134	1.140	.192	291.6	193.0	395.0	32.9	134	235

White catfish Edible Size Only: Mean mercury (ppm) and Length (mm) by Species and Northern Delta Subarea

		Mercury_wet_wgt_µg/g				TOTAL LENGTH_mm					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
White Catfish	Delta Sac R Subarea	.445	.134	1.140	.204	296.0	207.0	395.0	29.8	77	170
	Delta Yolo South Subarea	.464	.135	1.004	.155	281.5	199.0	385.0	36.4	56	64
	Total	.450	.134	1.140	.192	292.0	199.0	395.0	32.3	133	234

Model Summary

					Change Statistics				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.297[a]	.088	.080	.184370	.088	11.231	2	232	.000
2	.321[b]	.103	.091	.183272	.015	3.786	1	231	.053
3	.394[c]	.156	.137	.178596	.053	7.127	2	229	.001

a. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm

b. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta Sac River=1; other=0

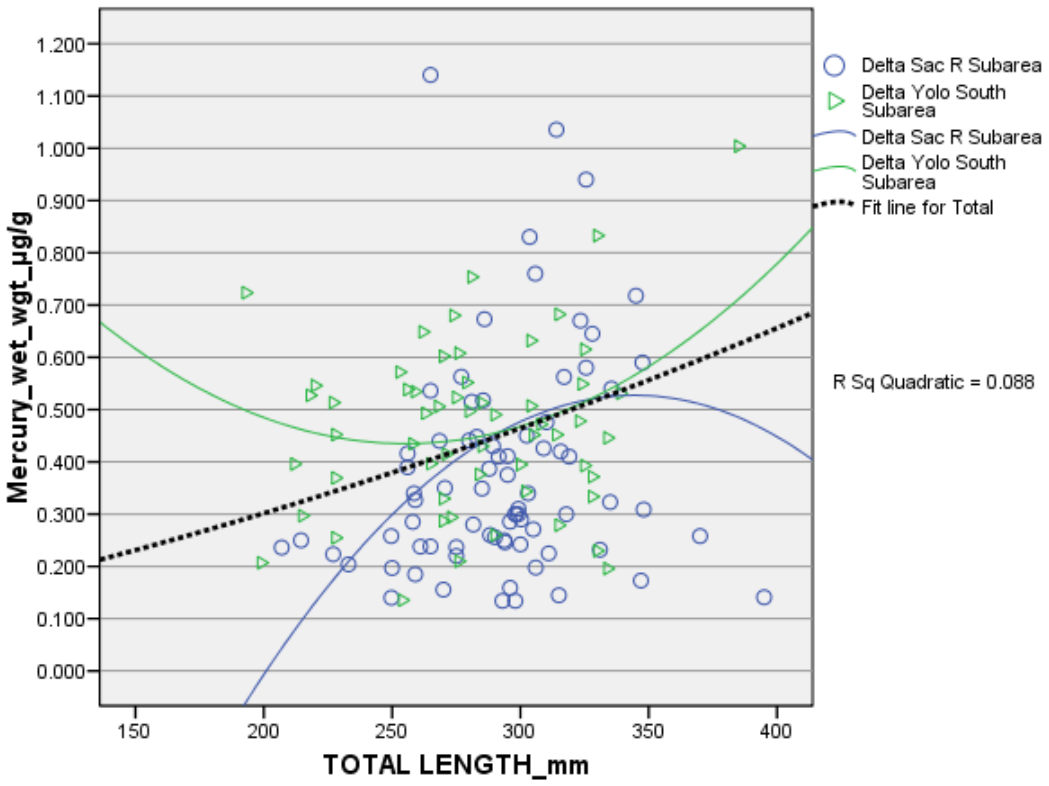
c. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta Sac River=1; other=0, lngthSqXSacR, lngthXSacR

Coefficients[a]

		Unstandardized Coefficients		Standardized Coefficients			95% Confidence Interval for B	
Model		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound
1	(Constant)	.064	.605		.105	.917	-1.129	1.256
	TOTAL LENGTH_mm	.001	.004	.154	.214	.831	-.007	.009
	lngth_sq	1.45E-006	.000	.143	.199	.843	.000	.000
2	(Constant)	-.108	.608		-.178	.859	-1.307	1.090
	TOTAL LENGTH_mm	.002	.004	.379	.523	.602	-.006	.011
	lngth_sq	-5.62E-007	.000	-.055	-.077	.939	.000	.000
	Delta Sac River=1; other=0	-.054	.028	-.125	-1.946	.053	-.108	.001

a. Dependent Variable: Mercury_wet_wgt_µg/g

White Catfish Scatterplot



Cases weighted by NO IN COMP

Largemouth Bass

Largemouth bass ALL Sizes Mean mercury (ppm) and Length (mm) by Species and Northern Delta Subarea

		Mercury_wet_wgt_µg/g				TOTAL LENGTH_mm					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
Largemouth Bass	Delta Sac R Subarea	.640	.143	1.370	.311	351.3	180.0	475.0	53.6	103	154
	Delta Yolo North Subarea	.596	.596	.596	.	365.0	365.0	365.0	.	1	1
	Delta Yolo South Subarea	.536	.126	1.267	.284	348.3	213.0	560.0	57.4	43	51
	Total	.614	.126	1.370	.306	350.6	180.0	560.0	54.3	147	206

Largemouth bass LEGAL Size Only: Mean mercury (ppm) and Length (mm) by Species and Northern Delta Subarea

		Mercury_wet_wgt_µg/g				TOTAL LENGTH_mm					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
Largemouth Bass	Delta Sac R Subarea	.712	.222	1.370	.295	369.9	307.0	475.0	37.2	77	126
	Delta Yolo North Subarea	.596	.596	.596	.	365.0	365.0	365.0	.	1	1
	Delta Yolo South Subarea	.611	.221	1.267	.262	367.1	308.0	560.0	46.3	33	41
	Total	.687	.221	1.370	.289	369.2	307.0	560.0	39.3	111	168

Model Summary

					Change Statistics				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	F Change	df1	df2	Sig. F Change
1	.630[a]	.397	.391	.238927	.397	66.769	2	203	.000
2	.644[b]	.414	.406	.236003	.018	6.061	1	202	.015
3	.647[c]	.419	.404	.236268	.004	.773	2	200	.463

a. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm

b. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta Sac River=1; other=0

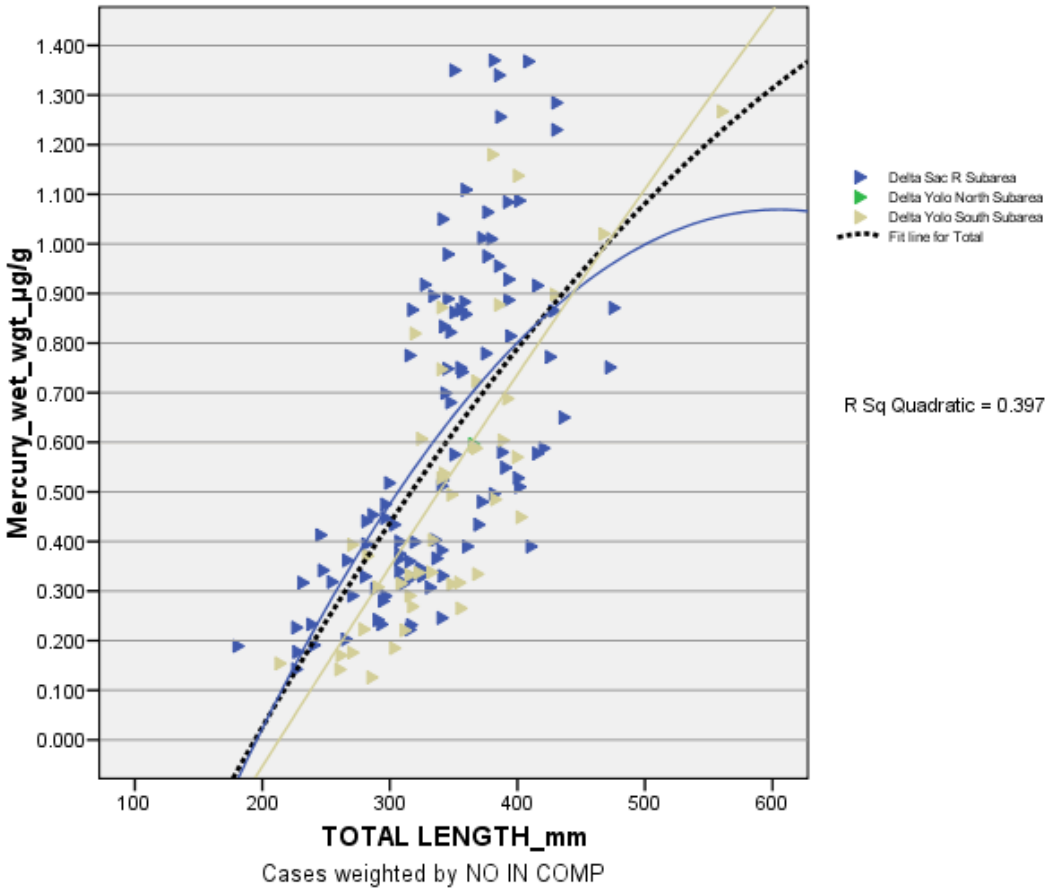
c. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta Sac River=1; other=0, lngthSqXSacR, lngthXSacR

Coefficients[a]

		Unstandardized Coefficients		Standardized Coefficients			95% Confidence Interval for B	
Model		B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound
1	(Constant)	-.976	.411		-2.372	.019	-1.787	-.165
	TOTAL LENGTH_mm	.006	.002	.994	2.367	.019	.001	.010
	lngth_sq	-2.98E-006	.000	-.369	-.879	.380	.000	.000
2	(Constant)	-1.015	.407		-2.495	.013	-1.816	-.213
	TOTAL LENGTH_mm	.005	.002	.965	2.324	.021	.001	.010
	lngth_sq	-2.76E-006	.000	-.343	-.825	.410	.000	.000
	Delta Sac River=1; other=0	.093	.038	.133	2.462	.015	.019	.168

a. Dependent Variable: Mercury_wet_wgt_µg/g

Largemouth Bass



Cases weighted by NO IN COMP

There was only one sample in the Yolo North Subarea, therefore only Sacramento River and Yolo South Subarea regressions are displayed.

Sacramento Pikeminnow

Sacramento pikeminnow ALL Sizes Mean mercury (ppm) and Length (mm) by Species and Northern Delta Subarea

		Mercury_wet_wgt_µg/g				TOTAL LENGTH_mm					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
Delta samples	Delta Sac R Subarea	.435	.061	2.039	.422	344.0	174.0	638.0	124.6	50	63
	Delta Yolo South Subarea	.273	.170	.432	.100	266.1	238.0	310.0	26.4	7	7
	Total	.419	.061	2.039	.404	336.2	174.0	638.0	120.7	57	70

Sacramento pikeminnow Edible Size Only: Mean Mercury (ppm) and Length (mm) by Species and Delta Subarea

		Mercury_wet_wgt_µg/g				TOTAL LENGTH_mm					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
Sacramento Pikeminnow	Delta Sac R Subarea	.508	.070	2.039	.448	381.7	252.2	638.0	115.9	36	49
	Delta Yolo South Subarea	.256	.170	.390	.094	284.8	270.0	310.0	17.4	4	4
	Total	.489	.070	2.039	.436	374.4	252.2	638.0	114.4	40	53

Model Summary[d,e]

Model	R Select = SRND data (Selected)	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.740[a]	.548	.535	.275847	.548	40.652	2	67	.000
2	.741[b]	.549	.528	.277733	.001	.093	1	66	.761
3	.742[c]	.551	.523	.279330	.002	.247	1	65	.621

a. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm

b. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta Sac River=1; other=0

c. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta Sac River=1; other=0, lngthXSacR

d. Unless noted otherwise, statistics are based only on cases for which Select = SRND data.

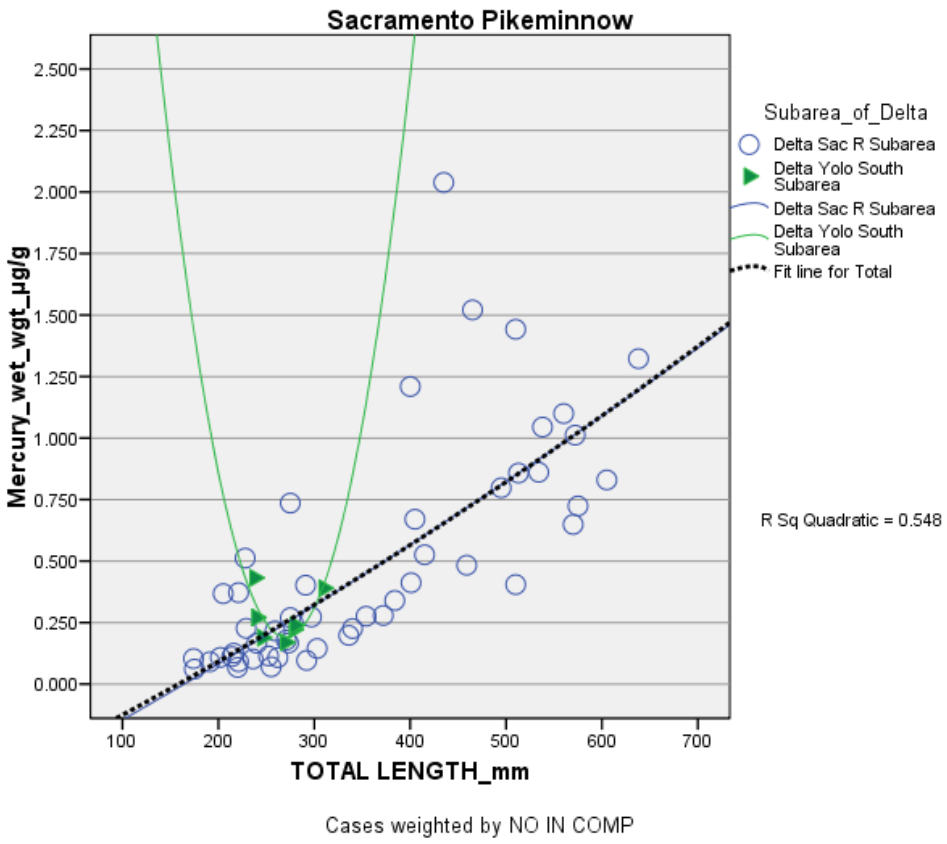
e. Dependent Variable: Mercury_wet_wgt_µg/g

Coefficients[a,b]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-.329	.340		-.967	.337	-1.009	.350
	TOTAL LENGTH_mm	.002	.002	.591	1.031	.306	-.002	.006
	lngth_sq	6.46E-007	.000	.151	.263	.793	.000	.000
2	(Constant)	-.300	.356		-.840	.404	-1.011	.412
	TOTAL LENGTH_mm	.002	.002	.588	1.019	.312	-.002	.006
	lngth_sq	6.80E-007	.000	.159	.275	.784	.000	.000
	Delta Sac River=1; other=0	-.034	.113	-.026	-.305	.761	-.260	.191

a. Dependent Variable: Mercury_wet_wgt_µg/g

b. Selecting only cases for which Select = SRND data


Sacramento Pikeminnow
Mercury_wet_wgt_µg/g
2.500
2.250
2.000
1.750
1.500
1.250
1.000
0.750
0.500
0.250
0.000
100
200
300
400
500
600
700
TOTAL LENGTH_mm
Subarea_of_Delta
Delta Sac R Subarea
Delta Yolo South Subarea
Delta Sac R Subarea
Delta Yolo South Subarea
Fit line for Total
R Sq Quadratic = 0.548
Cases weighted by NO IN COMP

Sacramento Sucker

Sacramento sucker ALL Sizes = Edible Size Mean Mercury (ppm) and Length (mm) by Species and Delta Subarea

		Mercury_wet_wgt_µg/g				TOTAL LENGTH_mm					
		Mean	Min	Max	SD	Mean	Min	Max	SD	# Samples	# Fish
Sacramento Sucker	Delta Sac R Subarea	**.238**	.046	.562	.113	453.6	274.0	574.0	49.2	42	76
	Delta Yolo South Subarea	**.196**	.083	.491	.135	395.6	292.0	462.0	49.4	8	12
	Total	**.232**	.046	.562	.116	445.7	274.0	574.0	52.9	50	88

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.541[a]	.292	.276	.098912	.292	17.567	2	85	.000
2	.545[b]	.297	.272	.099201	.004	.504	1	84	.480
3	.594[c]	.353	.322	.095710	.056	7.241	1	83	.009

a. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm

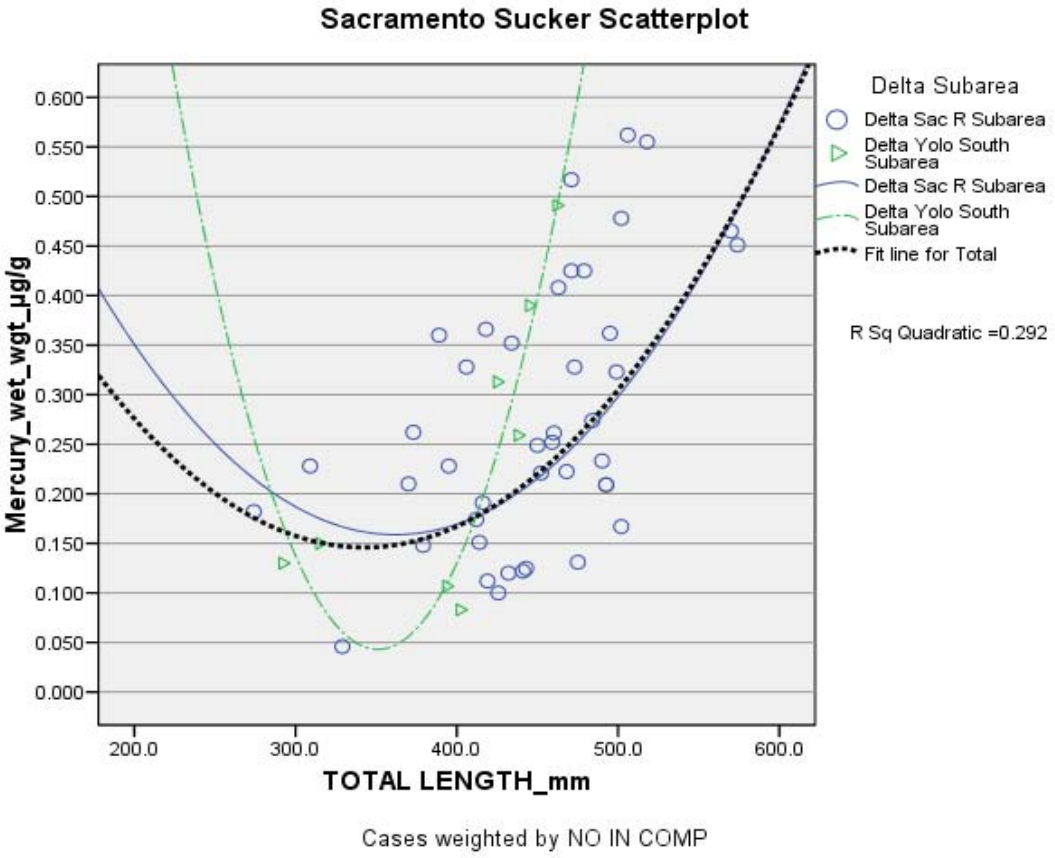
b. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta Sac River=1; other=0

c. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta Sac River=1; other=0, lngthSqXSacR

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	.896	.408		2.198	.031	.086	1.707
	TOTAL LENGTH_mm	-.004	.002	-1.993	-2.282	.025	-.008	-.001
	lngth_sq	6.40E-006	.000	2.482	2.840	.006	.000	.000
2	(Constant)	.896	.409		2.191	.031	.083	1.709
	TOTAL LENGTH_mm	-.004	.002	-1.978	-2.257	.027	-.008	-.001
	lngth_sq	6.43E-006	.000	2.493	2.844	.006	.000	.000
	Delta Sac River=1; other=0	-.024	.033	-.070	-.710	.480	-.090	.043

a. Dependent Variable: Mercury_wet_wgt_µg/g


Sacramento Sucker Scatterplot
Mercury_wet_wgt_µg/g
0.600
0.550
0.500
0.450
0.400
0.350
0.300
0.250
0.200
0.150
0.100
0.050
0.000
200.0
300.0
400.0
500.0
600.0
TOTAL LENGTH_mm
Delta Subarea
Delta Sac R Subarea
Delta Yolo South Subarea
Delta Sac R Subarea
Delta Yolo South Subarea
Fit line for Total
R Sq Quadratic =0.292
Cases weighted by NO IN COMP

Appendix VIII. Statistical Comparison of Mean Mercury Concentrations in White Catfish, Largemouth Bass, Sacramento Pikeminnow, Sacramento Sucker, and Carp by Subregion: Northern Delta versus Sacramento River and Associated Creeks and Sloughs outside the Delta

White Catfish

White Catfish ALL Sizes Mean Mercury and Length by Species and Subregion

Subregion	MERCURY_wet_wgt_µg/g				TOTAL LENGTH_mm				# Samples	# Fish
	Mean	Min	Max	SD	Mean	Min	Max	SD		
Outside Delta	.324	.100	.693	.174	255.3	155.0	587.0	65.1	24	57
Delta samples	.451	.134	1.140	.192	291.6	193.0	395.0	32.9	134	235
Total	.426	.100	1.140	.195	284.5	155.0	587.0	43.5	158	292

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.418[a]	.175	.169	.177913	.175	30.680	2	289	.000
2	.428[b]	.183	.175	.177368	.008	2.780	1	288	.097
3	.430[c]	.185	.170	.177819	.002	.271	2	286	.763

a. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm

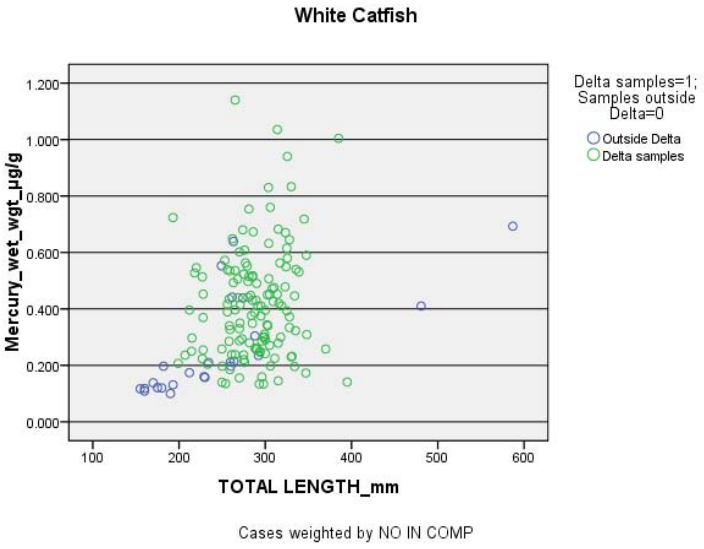
b. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0

c. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0, lngthSqXDelta, lngthXDelta

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-.505	.175		-2.886	.004	-.849	-.160
	TOTAL LENGTH_mm	.005	.001	1.033	4.205	.000	.002	.007
	lngth_sq	-4.683E-6	.000	-.655	-2.667	.008	.000	.000
2	(Constant)	-.389	.187		-2.077	.039	-.758	-.020
	TOTAL LENGTH_mm	.004	.001	.831	3.045	.003	.001	.006
	lngth_sq	-3.455E-6	.000	-.483	-1.820	.070	.000	.000
	Delta samples=1; Samples outside Delta=0	.050	.030	.102	1.667	.097	-.009	.109
3	(Constant)	-.447	.256		-1.748	.082	-.951	.056
	TOTAL LENGTH_mm	.004	.002	.913	2.606	.010	.001	.007
	lngth_sq	-3.976E-6	.000	-.556	-1.795	.074	.000	.000
	Delta samples=1; Samples outside Delta=0	.511	.637	1.039	.801	.424	-.744	1.765
	lngthXDelta	-.003	.004	-1.957	-.734	.464	-.012	.005
	lngthSqXDelta	5.426E-6	.000	1.062	.736	.463	.000	.000

a. Dependent Variable: Mercury_wet_wgt_µg/g



Largemouth bass

Largemouth Bass ALL Sizes Mean mercury and Length by Species and Subregion

Subregion	MERCURY_wet_wgt_µg/g				TOTAL LENGTH_mm				# Samples	# Fish
	Mean	Min	Max	SD	Mean	Min	Max	SD		
Outside Delta	.524	.127	1.534	.247	357.3	176.0	535.0	63.4	90	124
Delta samples	.614	.126	1.370	.306	350.6	180.0	560.0	54.3	147	206
Total	.580	.126	1.534	.288	353.1	176.0	560.0	57.9	237	330

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.596[a]	.355	.351	.232153	.355	89.941	2	327	.000
2	.622[b]	.387	.382	.226583	.032	17.277	1	326	.000
3	.634[c]	.402	.393	.224579	.014	3.921	2	324	.021

a. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm

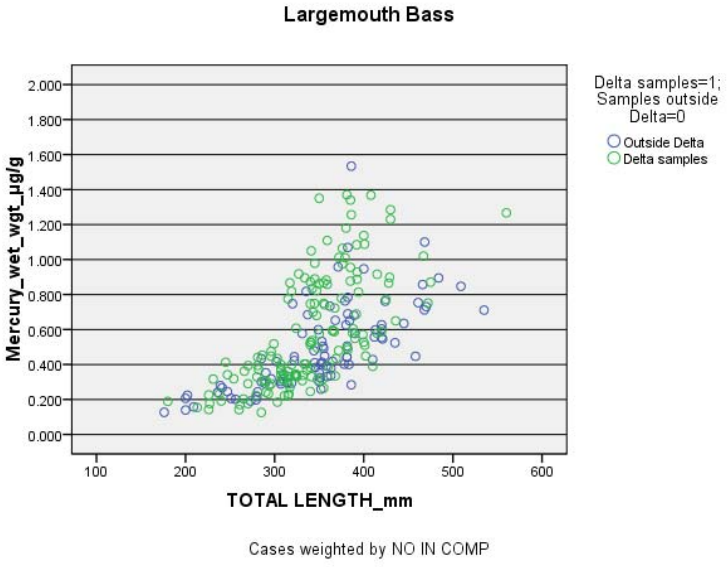
b. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0

c. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0, lngthSqXDelta, lngthXDelta

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-.823	.276		-2.978	.003	-1.366	-.279
	TOTAL LENGTH_mm	.005	.002	1.024	3.212	.001	.002	.008
	lngth_sq	-3.090E-6	.000	-.435	-1.366	.173	.000	.000
2	(Constant)	-.802	.270		-2.972	.003	-1.332	-.271
	TOTAL LENGTH_mm	.005	.002	.907	2.905	.004	.001	.008
	lngth_sq	-2.183E-6	.000	-.307	-.984	.326	.000	.000
	Delta samples=1; Samples outside Delta=0	.108	.026	.181	4.157	.000	.057	.159
3	(Constant)	-.476	.372		-1.279	.202	-1.208	.256
	TOTAL LENGTH_mm	.003	.002	.666	1.553	.121	.000	.008
	lngth_sq	-1.402E-6	.000	-.197	-.461	.645	.000	.000
	Delta samples=1; Samples outside Delta=0	-.500	.537	-.841	-.931	.352	-1.556	.556
	lngthXDelta	.002	.003	1.393	.742	.459	-.004	.008
	lngthSqXDelta	-1.577E-6	.000	-.372	-.358	.721	.000	.000

a. Dependent Variable: Mercury (wet) ppm



Sacramento Pikeminnow

Sacramento Pikeminnow ALL Sizes Mean Mercury and Length by Species and Subregion

Subregion	MERCURY_wet_wgt_µg/g				TOTAL LENGTH_mm				# Samples	# Fish
	Mean	Min	Max	SD	Mean	Min	Max	SD		
Outside Delta	.402	.047	1.712	.321	345.1	189.0	572.0	94.3	109	140
Delta samples	.419	.061	2.039	.404	336.2	174.0	638.0	120.7	57	70
Total	.408	.047	2.039	.350	342.2	174.0	638.0	103.6	166	210

Model Summary[d,e]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
	Select = SRND data (Selected)				R Square Change	F Change	df1	df2	Sig. F Change
1	.738[a]	.545	.540	.237283	.545	123.829	2	207	.000
2	.739[b]	.546	.539	.237512	.001	.602	1	206	.439
3	.740[c]	.547	.536	.238379	.001	.252	2	204	.777

a. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm

b. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0

c. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0, lngthSqXDelta, lngthXDelta

d. Unless noted otherwise, statistics are based only on cases for which Select = SRND data.

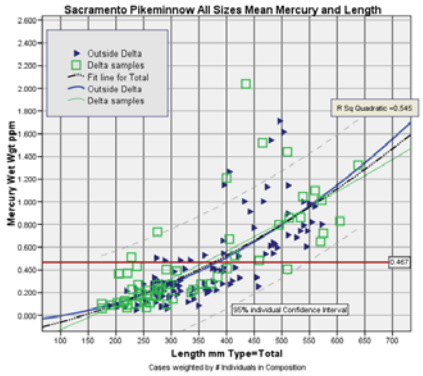
e. Dependent Variable: Mercury_wet_wgt_µg/g

Coefficients[a,b]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-.176	.216		-.818	.414	-.602	.249
	TOTAL LENGTH_mm	.001	.001	.289	.817	.415	-.001	.003
	lngth_sq	1.96E-006	.000	.451	1.277	.203	.000	.000
2	(Constant)	-.235	.229		-1.027	.306	-.685	.216
	TOTAL LENGTH_mm	.001	.001	.369	1.002	.318	-.001	.004
	lngth_sq	1.62E-006	.000	.371	1.008	.315	.000	.000
	Delta samples=1; Samples outside Delta=0	.028	.036	.038	.776	.439	-.043	.100

a. Dependent Variable: Mercury_wet_wgt_µg/g

b. Selecting only cases for which Select = SRND data



The red line on the graph is incorrectly labeled as 0.467 ppm. It should be 0.438 ppm.

Sacramento Sucker

Sacramento Sucker ALL Sizes Mean Mercury and Length by Species and Subregion

Subregion	MERCURY_wet_wgt_µg/g				TOTAL LENGTH_mm				# Samples	# Fish
	Mean	Min	Max	SD	Mean	Min	Max	SD		
Outside Delta	.117	.002	.597	.105	370.5	151.0	569.0	82.0	123	157
Delta samples	.232	.046	.562	.116	445.7	274.0	574.0	52.9	50	88
Total	.158	.002	.597	.122	397.5	151.0	574.0	81.2	173	245

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.670[a]	.448	.444	.091326	.448	98.329	2	242	.000
2	.693[b]	.480	.473	.088873	.031	14.546	1	241	.000
3	.697[c]	.486	.476	.088676	.007	1.537	2	239	.217

a. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm

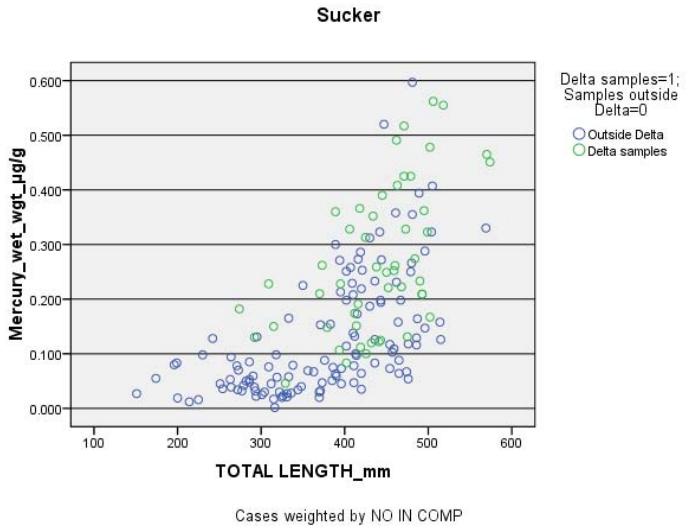
b. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0

c. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0, lngthSqXDelta, lngthXDelta

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	.221	.106		2.077	.039	.011	.431
	TOTAL LENGTH_mm	-.002	.001	-1.013	-2.647	.009	-.003	.000
	lngth_sq	3.304E-6	.000	1.662	4.345	.000	.000	.000
2	(Constant)	.233	.104		2.245	.026	.029	.437
	TOTAL LENGTH_mm	-.002	.001	-1.015	-2.726	.007	-.003	.000
	lngth_sq	3.132E-6	.000	1.576	4.224	.000	.000	.000
	Delta samples=1; Samples outside Delta=0	.050	.013	.198	3.814	.000	.024	.077
3	(Constant)	.174	.118		1.473	.142	-.059	.408
	TOTAL LENGTH_mm	-.001	.001	-.806	-1.826	.069	-.003	.000
	lngth_sq	2.724E-6	.000	1.371	3.002	.003	.000	.000
	Delta samples=1; Samples outside Delta=0	.722	.384	2.834	1.879	.062	-.035	1.479
	lngthXDelta	-.003	.002	-5.603	-1.716	.087	-.007	.000
	lngthSqXDelta	3.676E-6	.000	3.016	1.660	.098	.000	.000

a. Dependent Variable: Mercury_wet_wgt_µg/g



Carp

Carp ALL Sizes Mean Mercury and Length by Species and Subregion

Subregion	MERCURY_wet_wgt_µg/g				TOTAL LENGTH_mm				# Samples	# Fish
	Mean	Min	Max	SD	Mean	Min	Max	SD		
Outside Delta	.206	.059	.558	.113	458.3	340.0	770.0	79.6	49	78
Delta samples	.276	.085	.938	.125	523.2	352.0	702.0	81.1	48	92
Total	.244	.059	.938	.124	493.4	340.0	770.0	86.5	97	170

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics				
					R Square Change	F Change	df1	df2	Sig. F Change
1	.518[a]	.268	.260	.106754	.268	30.641	2	167	.000
2	.528[b]	.279	.266	.106329	.010	2.337	1	166	.128
3	.529[c]	.280	.258	.106891	.001	.129	2	164	.879

a. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm

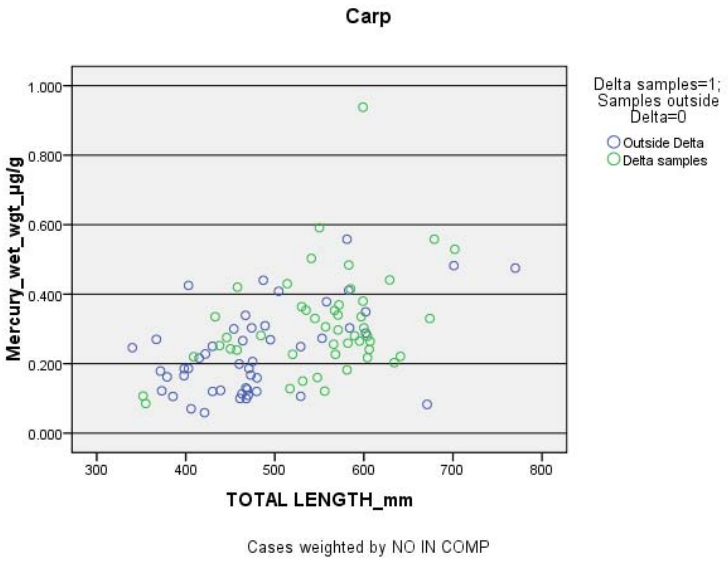
b. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0

c. Predictors: (Constant), lngth_sq, TOTAL LENGTH_mm, Delta samples=1; Samples outside Delta=0, lngthSqXDelta, lngthXDelta

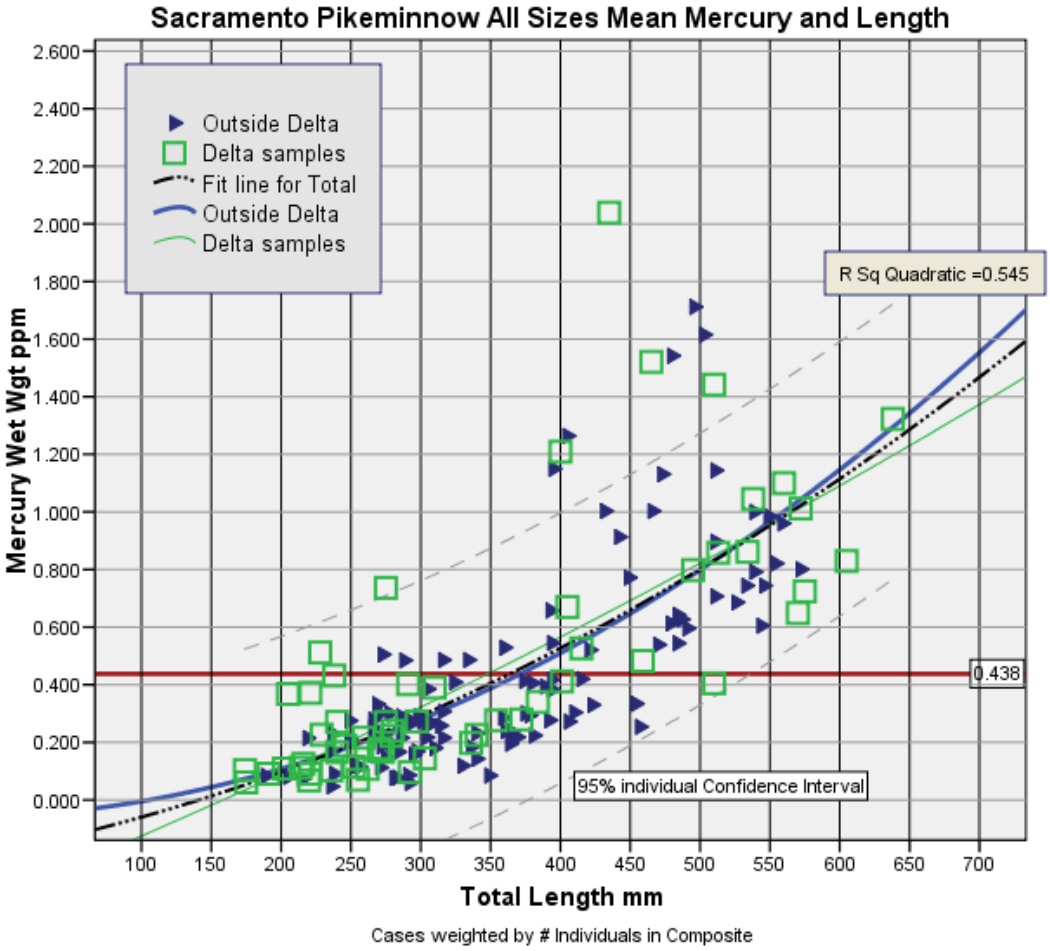
Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	.033	.235		.140	.889	-.432	.498
	TOTAL LENGTH_mm	.000	.001	.080	.121	.904	-.002	.002
	lngth_sq	6.160E-7	.000	.439	.670	.504	.000	.000
2	(Constant)	.091	.237		.383	.703	-.378	.560
	TOTAL LENGTH_mm	.000	.001	-.084	-.128	.899	-.002	.002
	lngth_sq	7.892E-7	.000	.562	.856	.393	.000	.000
	Delta samples=1; Samples outside Delta=0	.027	.018	.110	1.529	.128	-.008	.062
3	(Constant)	.095	.317		.301	.764	-.530	.721
	TOTAL LENGTH_mm	.000	.001	-.128	-.147	.883	-.003	.002
	lngth_sq	9.007E-7	.000	.642	.752	.453	.000	.000
	Delta samples=1; Samples outside Delta=0	-.024	.492	-.097	-.049	.961	-.996	.948
	lngthXDelta	.000	.002	.649	.154	.878	-.004	.004
	lngthSqXDelta	-3.889E-7	.000	-.478	-.204	.839	.000	.000

a. Dependent Variable: Mercury_wet_wgt_µg/g



Appendix IX. Mercury Concentrations and Length in Sacramento Pikeminnow in the Sacramento River and Northern Delta



The horizontal red line at 0.438 ppm represents the mercury concentration above which fish consumption is not recommended for women ages 18-45 and children. For pikeminnow, the threshold at 0.438 ppm mercury corresponds to a length in the range of 150 mm to 530 mm using the 95 percent confidence interval.